

# The chemical industry in Bulgaria



**Bulgarian Chamber of Commerce and Industry**

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## **1. Introduction and historical overview of the chemical industry in Bulgaria**

The chemical industry in Bulgaria is an economic and industrial branch, characterized by rapid development and increased dynamics in recent decades. It is one of the most high-tech and progressive industries, in which the latest scientific achievements are very quickly applied and where new raw materials, semi-finished products and household items are created. The chemical industry is a complex complex, including many enterprises and research institutes, where you can clearly see the relationship between science and practice, materialized in the production of over 12,000 products, which for its short existence has acquired the status of a structuring industry. The production of the chemical sector is widely used in almost all other sectors of the national economy, such as energy, metallurgy / acids and others. products /, mechanical engineering / plastics, synthetic rubber, etc./, light industry / chemical and artificial fibers, artificial leathers, shoe soles, etc./, agriculture / fertilizers, plant protection products, yeast, packaging, etc./, construction / artificial building materials /, medicine / medicines, syringes, systems, etc./, as well as directly in people's lives in the form of a huge number of products for final consumption (perfumery, cosmetics, household chemicals and many, many others) .

Chemical production processes significant quantities of raw materials, widespread in Bulgaria non-metallic minerals (coal, rock salt, sulfur, phosphates, apatites, potassium salt), water and nitrogen from the air, as well as oil, natural gas and wood, which the national economy has, albeit in more limited quantities.

The import nature of a large part of the raw materials used by the chemical industry largely determines the geographical location of the industries that use them, placing them in close proximity to major transport corridors. The other group of factors determining the territorial location of chemical enterprises are socio-economic factors, which include the economic needs of the country, markets - external and internal, labor, the degree of implementation of scientific advances, increasingly extensive and international norms. and requirements for the process of environmental protection and a number of others.

Historically, the beginning of the development of the chemical industry in Bulgaria dates back to the end of the 19th century from the entry of the first European companies (IG Farbenindustri from Germany and Solvay from Belgium) on the national market. A little later, the first, entirely Bulgarian, smaller enterprises appeared, using local raw materials and

producing mainly household goods, such as the Hifa grease and emulsion factory in Ruse, Chemistry and Industry in Gabrovo, the Petrol oil refineries, the First Bulgarian Oil Joint Stock Company and Svetlina in Ruse , working mainly with Romanian oil, the soap factories “N. Chilov ”in Kostinbrod and“ V. Bachvarov ”in Ruse,“ Maslosapo ”in Burgas, the rose breweries in Kazanlak region, the match factories in Kostinbrod and others. Even before the Second World War in our country were produced fertilizers, soda ash and plastics, and in Plovdiv was organized the production of caustic soda. With the end of the war, the need arose to consolidate the existing facilities and put into operation new ones, mainly in the field of heavy chemistry. Initially, the two carbide factories appeared in Asenovgrad and Yana station, in the 1950s the chemical plant in Dimitrovgrad was built, and a little later the oil refinery in Pleven, the chemical plant in Devnya and the national chemical plant in Burgas.

In the period before 1989 Bulgaria is one of the leaders in the production of chemical products such as: soda, fertilizers and medical products. In 1951 The first plant for nitrogen fertilizers in Dimitrovgrad started operating, and subsequently the product list of the plant was supplemented with sulfuric, hydrochloric acid and others. A little later, the Nitrogen Fertilizer Plant (NFP) was built in Stara Zagora, which produces hundreds of thousands of tons of ammonia per year, and by the end of the 1960s - the ammonia and urea plant in Vratsa. In the 70's the chemical plant in the village of Poveyanovo, now a district of Devnya, was put into operation, which initially works with such imported raw materials as apatites and phosphorites from North Africa and the CIS, which leads to an immediate and significant increase in production efficiency.

The production of sulfuric acid is directly related to the pace of development of metallurgical production and is most common in MK in Pirdop, KCM-Plovdiv and Lead Zink Complex in Kardzhali.

The development of the petrochemical industry dates back to the mid-1960s, although oil refining took place in the country before the Second World War. 45% of the volume of chemical production in Bulgaria is due to the operation of petrochemical enterprises, such as Plama, Pleven and Neftochim, Burgas, which annually process about 8 million tons oil.

Only Neftochim currently produces all types of gasoline, propane-butane, acetone, phenol, paraffins, synthetic rubber, glycolite, ethylene, polyethylene, polystyrene, polyacrylic fibers, oleins and many other products. The company independently provides approximately 90% of the production in the sub-sector.

After several years of cessation of production and today "Plama", Pleven produces fuels, diesel, lubricants, grease and more. Some of the used lubricating oils are processed in Ruse, the oldest enterprise in the sub-sector, and converted into bitumen, fuel oil and oils.

## **2. Branch structure of the chemical industry in Bulgaria**

The branch structure of the sector is formed mainly on the basis of the peculiarities of the used technological processes and the needs of the finished products. Depending on the raw materials used and the processing technology, the chemical industry in Bulgaria is divided into 2 main sections: inorganic and organic chemistry.

Mineral resources of inorganic origin, such as rock salt, limestone and natural gas, are used as raw materials in inorganic chemistry. The main productions of inorganic chemistry are: acids, soda, mineral fertilizers, phosphorites, explosives, plant protection products, sulfur and others. These productions are quite capital-, raw- and labor-intensive, and the enterprises should be located as close as possible to the deposits of raw materials, due to their volume. The sub-sectors of inorganic chemistry produce approximately 15% of the total production of the chemical industry.

Organic chemistry uses resources of organic origin as raw materials. These include oil, natural gas, wood and others. Products of organic chemistry are plastics, synthetic fibers, synthetic rubber and others.

Depending on the nature of the products produced, the 18 sub-sectors of the chemical industry are also divided into 2 main sections: heavy and light chemistry.

Heavy chemistry covers the production and processing of petroleum products, fertilizers, acids, soda, synthetic and artificial fibers, rubber products and plastics. The Bulgarian production of these productions is among the most renowned on the international markets and at the same time is widely used in agriculture and other branches of the national economy.

The main raw materials are limestone near Devnya and Vratsa, rock salt near the villages of Mirovo, Provadia region and coal in Marbas and Maritsa East.

Oil refining is the basis of the production of polymeric materials, which include synthetic fibers, a product characterized by durability, high durability, non-crease, thermal insulation and lower cost, which makes it increasingly popular and widely applicable in textiles. industry. The main enterprises for the production of synthetic fibers are located in Burgas - the enterprise for polyacrylic fibers "Bulana", in Yambol - for polyester fibers "Yambolen", in Vidin - "Vidlon", for polyamide fibers and in Dimitrovgrad - the enterprise

for production of polyester silk. Along with the synthetic fibers, the production of artificial fibers through wood processing has been developed in Bulgaria - Svilosa enterprise in Svishtov.

The petrochemical industry also includes the production and processing of plastics and plastic products. The valuable qualities of plastics are hidden in their strength, elasticity, corrosion resistance, etc., which make them widely applicable both in mechanical engineering (as substitutes for metals) and in construction (as substitutes for construction materials), as well as in bits.

Plastics are produced in Burgas, Devnya and Vidin, and plastic products - in Sofia, Asenovgrad (company "Assenova krepost" foil and packaging), Berkovitsa ("Kom"), Botevgrad, Byala, Veliko Tarnovo - "Momina krepost" - systems for blood transfusions and syringes), Gabrovo (PVC pipes), Knezha, Pleven, Ruse, Samokov and others.

The production of rubber products in Bulgaria, based on synthetic rubber produced in Burgas, as well as the import of natural raw materials from abroad, is another well-represented section of the national petrochemical industry. The largest share is represented by the production / regeneration of car tires (inner and outer), the production of technical rubber products (hoses, belts, conveyor belts, etc.), the production of car door seals and other rubber products for cars. Rubber shoes are produced in Sofia, Svetovrachene, Pleven, and over 50% of this production comes from the company in Gabrovo, where along with PVC pipes are produced lifebelts, rubber mattresses, pillows, goggles, fins and other rubber products.

Light chemistry covers the production of paints, varnishes, soaps, detergents, products of the pharmaceutical and perfume industries, etc., with main production centers in Sofia, Plovdiv and Ruse. In Kostinbrod is located the production of aniline paints, in Byala - the production of latex paints and preservatives, and in Kostenets - the paints for synthetic and artificial fibers, where there is the only enterprise for the production of matches in the country. In Shumen and Burgas, in the company "Hemus", stationery is produced (glues, indigo, ink, tapes for typewriters, etc.).

The pharmaceutical industry, providing vital medicines and preparations for the domestic and foreign markets, has good and long-lasting traditions in Bulgaria.

The main pharmaceutical centers in the country are Sofia, Razgrad, Troyan, Dupnitsa, Peshtera and Vratsa. The enterprises in Peshtera and Vratsa mainly produce antibiotics for

animal husbandry, while Razgrad's "Antibiotic" - mainly antibiotics for humanitarian medicine, and "Pharmacy", Dupnitsa is a major producer of analgesics, vitamins and other drugs.

The perfume industry is a traditional sub-sector for the country. Bulgaria is a world leader in the production of high quality rose oil (Rozino, Kazanlak, Strelcha and Karlovo) - the main raw material for the production of perfumes, and the diverse products of companies in the industry - extremely well received in both domestic and international markets. . The names "Aroma" (Sofia), "Alen Mak", (Plovdiv), which are owned by the company "Aster", "Rubella", Rudozem, "Solvex Cosmetics", (Plovdiv) are known to every user of perfumes, deodorants. , creams, lipsticks, lipsticks, toothpastes, hair dyes, etc. cosmetic products produced in the country.

Bulgaria is also a producer of lavender oil, pine oil and pine turpentine (Stamboliyski), peppermint oil (G. Oryahovitsa and Shumen), rosin (Velingrad) and a number of other valuable products. The largest manufacturer of detergents is Verila, Sofia.

The biotechnology industry in Bulgaria is developing mainly as an applied sub-sector based on the achievements of chemical and biological science and especially on microbial synthesis, which is the basis of a number of technological processes in the wine, brewing, canning and other industries. In the larger cities of Bulgaria, such as Sofia, Plovdiv, Varna and Stara Zagora, where scientific potential is concentrated and there are the greatest financial and technological opportunities for application of scientific achievements in practice, productions of such products as biotechnological protein are organized, amino acids, sugar substitutes, enzymes, antibiotics, insecticides, widely used in both the food and chemical industries.



### **3. Legal regulations and competent authorities**

The functioning of almost all production sectors, including the chemical sector, is related to the consumption of various chemical substances and mixtures, both produced in the country and imported from other countries.

According to the 1981 EU inventory, 104,500 chemicals were available on the market, which have shrunk to around 30,000 since the introduction of a specialized chemical management system. Most modern chemicals are complex mixtures with new properties and areas of application, which leads to additional diversity of chemicals and products and causes the division of chemical production into subsectors, which are also used in statistics - in parallel with the main chemical products in the statistical directories are now independently presented and petrochemical and pharmaceutical products production.

The information gathered by the two initiatives to improve the image of the chemical industry, called "Responsibility and Care" and "Stewardship Products", implemented by industry organizations in almost all EU member states and supported by the World Chemical Industry Association SEFIK, proves in practice, the chemical industry, both globally and locally, is not the largest generator of harmful emissions in the environment. Through the introduction of control, analysis and evaluation of processes throughout the life cycle of chemicals, these two initiatives are aimed at building a new ethics and openness of chemical production with responsibility and care for the environment and the health of workers in the sector. Their implementation in Bulgaria started in 2004. They come in addition to Regulation EC 1907/2006 of the European Parliament and of the Council of 18 December 2006 on registration, assessment, authorization and the Restriction of Chemicals (REACH), which aims to ensure the free movement of substances on the European market with a high level of protection of human health and the environment from the use of chemicals, by encouraging importers and manufacturers of such substances to manage risks responsibly, related to their uses, promoting the use of alternative methods for assessing the hazardous properties of substances and encouraging the increased introduction of eco-oriented innovations in the European chemical industry.

REACH is based on the requirement to register a standard set of data on chemicals from their manufacturers and importers with the European Chemicals Agency (ECHA). The amount and specificity of the required data is proportional to the amount produced or imported вещество. REACH does not apply to: waste; substances subject to customs control,

provided that they have not undergone any processing or are in transit by rail, land, inland waterway, sea or air. A specific approach is provided for substances that are used for certain purposes, such as food additives, biocides or medicines, as these substances are subject to equivalent or even stricter control and evaluation measures. Substances manufactured or imported in quantities of less than one tonne per year are excluded from the registration requirement.

This new form of legal regulation in the EU has a significant impact on the directions, pace and efficiency of development of the chemical industry in Bulgaria. Strict control is required over the processes involved in the production, placing on the market, use and storage of chemicals and mixtures, as well as the release of gaseous, liquid or solid pollutants, in order to minimize the potential risks of air, water and water pollution. soils.

To support the industry, the National Chemicals Information Office (NIBH) has been set up to provide information and comprehensive assistance to chemical companies at the national level in determining their specific role (importers, manufacturers, distributors or users in the chain), in accordance with harmonized European legislation and their associated responsibilities and obligations arising from the provisions of the relevant regulations of the European Parliament and of the Council and directives such as:

- Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents lays down rules aimed at ensuring the free movement within the internal market of detergents and surfactants intended to be incorporated of detergents, while providing a high degree of protection for the environment and human health.

The Regulation harmonizes the rules for the placing on the market of detergents and surfactants intended to be included in detergents with regard to characteristics such as their biodegradability and their ability to cause allergies, introduces a series of restrictions or prohibitions on the use of non-biodegradable surfactants. additional labeling of detergents, including fragrances which may cause allergies, and requires the submission of certain information by manufacturers to the competent authorities and medical staff of the Member States relating to the biodegradability of the substances;

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH) lays down the procedure for the registration, evaluation, authorization and restriction of chemicals concerning the establishment of chemicals.

European Chemicals Agency, amending Directive 1999/45 / EC and repealing Council Regulation №793 / 93 and Commission Regulation №1488 / 94, as well as Council Directive 76/769 / EEC and Directives 91/155 / EEC , 93/67 / EEC and 2000/21 / EC of the Commission (REACH);

- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 (CLP) concerns the classification, labeling and packaging of substances and mixtures, as well as amending and repealing Directives 67/548 / EEC and 1999/45 / EC and the amendment of EC Regulation №1907 / 2006 / OJ L 353/1 of 31 December 2008 (CLP Regulation);
  - Regulation (EC) No 649/2012 of the European Parliament and of the Council of 4 July 2012 laying down the procedures for the export and import of dangerous chemicals, OJ L 201/60 of 4 July 2012 (PIC);
  - - Regulation (EU) 2017/852 of the European Parliament and of the Council of 17 May 2017 concerns mercury and repealing Regulation (EC) 1102/2008;
  - - Regulation (EU) 2019/1020 of the European Parliament and of the Council of 20 June 2019 on market surveillance and product conformity and amending Directive 2004/42 / EC and Regulations (EC) № 765/2008 and (EU) № 305/2011, and introduces a comprehensive framework to protect consumers from unsafe and non-compliant products and provides a level playing field for economic operators;
  - - Regulation (EU) 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants (POPs) is the main piece of legislation implementing the Stockholm Convention in the Member States of the European Union (EU). Its aim is to protect human health and the environment from persistent organic pollutants (POPs) by banning, phasing out as soon as possible or restricting the production, placing on the market and use of substances that are subject to the Stockholm Convention on Persistent Organic Pollutants. pollutants, as well as the Protocol to the 1979 Convention on Long-range Transboundary Air Pollution (by minimizing, in order to eliminate, where practicable and as soon as possible, the release of such substances and by creating provisions on waste that consists of, contains or is contaminated with some of these substances);
- Directive 2012/18 / EU of the European Parliament and of the Council of 04 July 2012 on the control of major-accident hazards involving dangerous substances,

amending and subsequently repealing Council Directive 96/82 / EC (Seveso III Directive) .

The requirement for adoption and gradual implementation of European environmental legislation commits our country to the development of national environmental legislation adapted to European and the allocation of certain funds for the implementation of national environmental policies.

The Ministry of Environment and Water is the state body that develops and implements these policies. The main aspects of its activity are related to the preparation of relevant legislation, national plans and strategies, the implementation of sectoral policies for water, waste, climate, air, nature, soil, noise, radiation, as well as the implementation of preventive activities and management of programs and projects funded by EU funds and other international organizations.

Bulgaria is also a party to a number of international agreements and treaties that regulate the production, use, storage, import and export of chemical raw materials, as well as the environmental impact of these activities on our environment.

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We have already said that the increasing use of chemicals and the repeated increase in the production volumes of the chemical industry worldwide in recent years have led to the release into the environment of a huge amount of pollutants, including the so-called persistent organic pollutants (POPs) - substances that have toxic properties; persist for a long time in the environment; accumulate in the biosphere; have the capability for long-range transboundary atmospheric transport and deposition; and are likely to cause significant adverse effects on human health and nature near and far from their sources.

This dangerous combination of toxicity, resilience, mobility and long-range transport means that POPs are literally prevalent around the globe, even in ecosystems and local communities in mountainous regions, the Arctic, Antarctica and the remote Pacific Islands. Their ability to accumulate in the adipose tissue of living organisms, known as "bioaccumulation", means that POPs are gradually bioconcentrated through the food chain in fish, birds of prey and mammals, and ultimately in humans. Pregnant women and young mothers are at particular risk of biological accumulation of POPs, as these dangerous substances also enter the fetus and are transmitted to the young child's body through breast milk.

The effects of POPs can cause such serious health problems as certain cancers, birth defects, functional disorders of the immune and reproductive systems, higher susceptibility to disease and even reduced intelligence.

The Stockholm Convention on Persistent Organic Pollutants (POPs) was adopted by the Plenipotentiary Conference on 22 May 2001 in Stockholm, Sweden, with the aim of initiating global action to limit the effects of POPs on human health and the environment. The Convention shall remain open for signature until 22 May of the following year, when it has already been signed by representatives of 151 States and shall enter into force on 17 May 2004. As of 1 January 2011, a total of 172 States, including 25 States, - EU member states have ratified the Convention.

Bulgaria signed the Stockholm Convention on 23 May 2001 and the National Assembly ratified it by a law of 30 September 2004 (promulgated in SG № 89 / 12.10.2004). Bulgaria has been a Party to the Convention since March 20, 2005.

There are five main goals that the Stockholm Convention pursues:

1. Elimination of dangerous POPs, starting with 22 names (15 pesticides, 7 industrial chemicals and 4 by-products, formed and separated unintentionally from anthropogenic sources);
2. Transition to the use of safer alternative substances;
3. Expanding the list of POPs requiring action (mostly prohibitive);
4. Disposal of the already accumulated deposits of POPs and contaminated equipment;
5. Joining the universal efforts to ensure a future without POPs.

The following 20 intentionally manufactured POPs pesticides and industrial chemicals are currently included in Annexes A and B of the Stockholm Convention: aldrin, alpha hexachlorocyclohexane ( $\alpha$ -HCH), beta hexachlorocyclohexane ( $\beta$ -HCH), chlordane, chloride, chlordane, chloride, hexabromobiphenyl (HBB), hexabromodiphenyl ether (hexaBDE) and heptabromodiphenyl ether (hepta BDE) (commercial mixtures of octaBDE), hexachlorobenzene (HCB), lindane ( $\gamma$ -HCH), mirex, polyphenyl tetrabromodiphenyl ether (tetraBDE) and pentabromodiphenyl ether (commercial mixtures of pentaBDE), toxaphene, DDT (DDT) and perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl fluoride (production of PFOS-F), except for those for which general or specific exceptions are provided.

Imports of the 20 deliberately produced POPs are banned or severely restricted by the Stockholm Convention. After the expiry of the specific exemptions, imports and exports are only allowed for the purpose of environmentally sound disposal under certain conditions.

The aim is to permanently reduce and, where possible, completely eliminate total releases from unintentionally generated anthropogenic by-products, such as dioxins (PCDDs), furans (PCDFs), polychlorinated biphenyls (PCBs), pentachlorobenzene (ReCB) and hex. The main tools for achieving this goal are the national action plans, which should include an inventory of emissions by source category and an estimate of emissions, as well as a plan for reducing them.

The Stockholm Convention also provides for measures to be identified for the environmentally sound management of stored quantities consisting of or containing POPs. Waste containing or contaminated with POPs must be disposed of in such a way that the POPs contained therein are destroyed or irreversibly converted in such a way that they no longer exhibit POPs properties, unless other environmentally sound activities are preferred. Disposal operations that could lead to the regeneration or reuse of POPs are strictly prohibited. Relevant international rules, standards and guidelines, such as the Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and Their Disposal, shall be observed when transporting waste across international borders.

In addition to the control measures, the Stockholm Convention includes various general obligations. Each country is obliged to develop, update and implement a National POPs Management Plan (POPs), to support or exchange information, to promote and facilitate public information and to provide public access to available POPs information. Parties are also encouraged to conduct research, monitoring and cooperation with respect to POPs and, where possible, with regard to alternative substitutes for POPs and chemicals candidates for inclusion in the POPs group. The Parties shall report periodically to the Conference of the Parties to the Convention on the measures they have taken to fulfill their obligations under it.

The Bulgarian Chamber of Chemical Industry has no data on the production of any of the 15 POPs pesticides listed in Annex A or B of the Stockholm Convention, nor on the formulation of plant protection products (PPPs) containing POPs in the country.

The text of the Rotterdam Convention on the Prior Informed Consent Procedure for International Trade in Certain Hazardous Chemicals and Pesticides was adopted on 10 September 1998 by the Conference of Plenipotentiaries in Rotterdam, the Netherlands. In

Bulgaria, the Rotterdam Convention has been ratified by law, DV, no. 55/2000, prom. DV, no. 33/2004, and enters into force on 24.02.2004.

The main objectives of this convention are:

- to promote shared responsibility and cooperation efforts between countries in international trade in certain hazardous chemicals in order to protect human health and the environment from potential harm;

- to contribute to the environmentally sound use of these hazardous chemicals by exchanging information on their characteristics and the decisions of the Parties on national import and export regimes for these substances.

The Republic of Bulgaria also signed the Minamata Convention on Mercury (to limit the spread of mercury and mercury compounds) on October 10, 2013, during the Diplomatic Conference of Plenipotentiary Ministers, which is being held in Kumamoto, Japan. Mercury is a global problem due to its ability to be easily transported by air over long distances, its sustainable presence in the environment after its introduction through anthropogenic activity, its ability to bioaccumulate in ecosystems and the significant negative impacts of mercury emissions of anthropogenic origin or accidental release of mercury and / or mercury compounds on human health and nature.

Annex I to the Convention on the Transboundary Effects of Industrial Accidents, ratified by a law adopted by the 37th National Assembly on 16.03.1995 (SG, issue 28 of 28.03.1995), is amended by Decision 2014/2 at the Eighth Meeting of the Conference of the Parties held in December 2014 in Geneva. It was issued by the Ministry of Environment and Water and enters into force on 19.12.2015 (promulgated, SG, issue 75 of 27.09.2016).

At the end of 2017, at the initiative of BCCI, a member of the European Chemical Industry Council (CEFIC), which is the coordinator of the European Technology Platform SusChem, a procedure was launched to establish a National Technology Platform for Sustainable Chemistry in the Republic of Bulgaria. ).

The proposal for the creation of the platform is supported by the University of Chemical Technology and Metallurgy in Sofia, the Chemical Institutes of BAS, the Bulgarian Chamber of Commerce and large chemical companies, the Bulgarian Chamber of Commerce and Industry, representing employers' organizations in chemical production, other industry organizations, related to the chemical industry or activities in the field of emissions trading,

waste recovery, etc. There is also support from the state institutions responsible for the chemical sector - the Ministry of Economy and the Ministry of Environment and Water.

At a meeting of Sefik on February 23, 2018, Bulgaria was admitted to SusChem and SusChem Bulgaria was established.



#### 4. Modern Bulgarian chemical industry: production and trade in numbers

More and more manufactured goods are made with the help of chemicals, so the chemical industry has a fundamental role and has a vital part of the Bulgarian and European economies.

In the last two years, marked by the pandemic and the ensuing economic crisis, the sector has proved its strategic role for Europe in practice, producing the necessary health materials and equipment.

A branch organization has been established in Bulgaria, which protects the interests of the companies from the sector “Bulgarian Chamber of Chemical Industry. It was established in 1994 by 40 Bulgarian chemical companies on a voluntary and professional basis. Its members are companies related to: oil refining and production of fuels and petroleum products; production of chemical products; manufacture of plastic and rubber products; engineering and repair, trade, services and others.

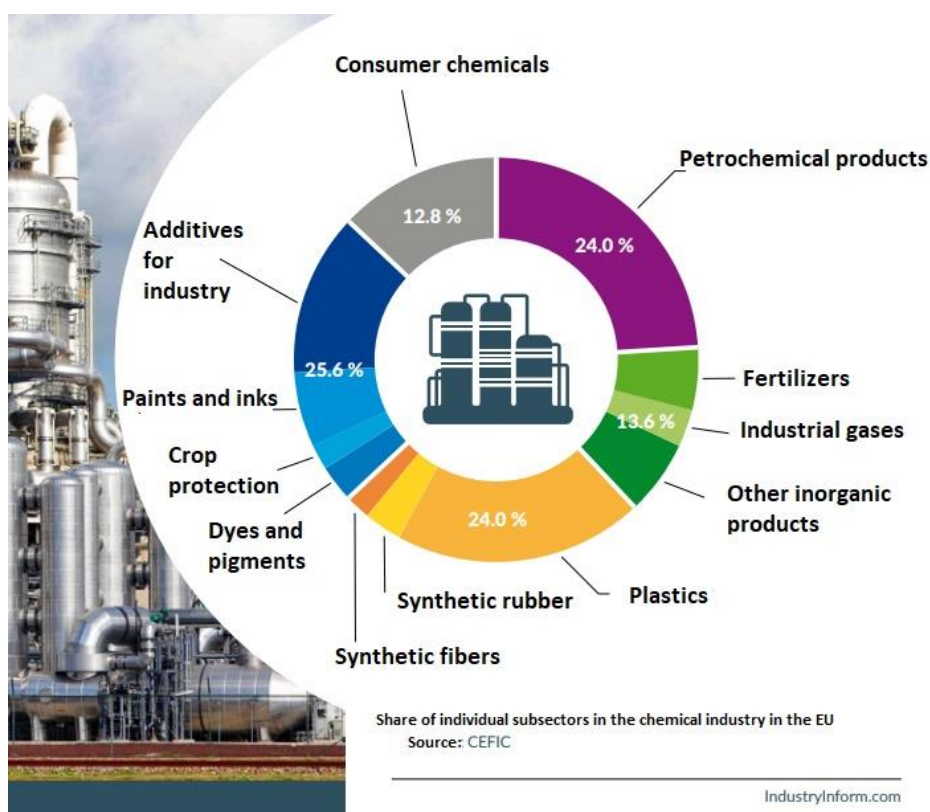


Table 1: Share of individual subsectors in the chemical industry in the EU

According to the data of the Bulgarian Chamber of Chemical Industry from the reporting and report for 2019 as of July 2020, the number of operating enterprises from the chemical industry is as follows:

Table 2: Number of operating companies from the chemical industry in Bulgaria.

2018 г.	2019 г.	2020 г.
2006	1060	1629

Source: Bulgarian Chamber of Chemical Industry

Table 3: Number of enterprises in the chemical industry that report a profit.

2018 г.	2019 г.	2020 г.
475	328	570

Source: Bulgarian Chamber of Chemical Industry

According to the Bulgarian Chamber of Chemical Industry:

- The revenues of the companies in the chemical industry are BGN 4.2 billion = 4% of GDP.
- Number of employees in the sector - 16,000 people by 2020.
- Chemical companies are located throughout the country as

their greatest concentration is in Sofia and Plovdiv, where some of the best developed industrial zones in Bulgaria are focused.

Table 4: Number of enterprises in the chemical industry by subject of activity.

Activity	Number of enterprises
Production of industrial gases	25
Production of dyes and pigments	14
Manufacture of other basic inorganic chemicals	70
Production of other basic organic chemicals	113
Production of nitrogen compounds and fertilizers	64
Production of polymers in primary forms	32
Production of synthetic rubber in primary forms	11
Production of pesticides and other agrochemicals	40

Manufacture of paints, varnishes and similar articles, printing ink and mastics	157
Production of cleaning, washing, toilet and cosmetic preparations	2
Production of soap, detergents, cleaners and polishes	179
Production of perfumes and toiletries	316
Production of explosives	14
Production of adhesives	48
Production of essential oils	159
Manufacture of other chemical products nec	270
Production of artificial and synthetic fibers	14
Unannounced subject of activity	1

Source: Bulgarian Chamber of Chemical Industry

The sector "Manufacture of chemical products" produces more than 4% of the volume of industrial production in the country and is almost 5% of value added in industry. In the branch (according to the data of the Bulgarian Chamber of Chemical Industry) 2.6% of the employed in the industry are engaged. The level of salaries in the sector is above the national average.

In the sector "Manufacture of rubber and plastic products" 3.2% of the volume of Bulgarian industrial production is produced and 4.1% of the value added is created. The sector employs 5.5% of those working in industry, but here the level of wages is lower than the average for industry.

Despite the adverse effects of the covid crisis and the complex international situation recently, and especially thanks to the efforts of management teams, experts, specialists and workers, the chemical industry as a whole withstands challenges and is an essential economic factor for the country's stability. For the last years in the chemical branch there are no serious bankruptcies of significant producers, the activity of the companies is stabilized, in many of them is invested again, as in larger companies like Lukoil Neftochim Burgas AD, even on a large scale.

In 2021, according to NSI data, Bulgaria has exported chemical products worth almost 1.4 billion euros, or 0.3% of total exports of chemicals from the European Union, according to Eurostat data. For the period from 2010 to 2020, exports of these items increased by approximately 5.5 per 100 per year.

Imports amounted to 1.53 billion euros, which means that for the previous year the trade balance was negative at 153 million euros.

Production prices rose by almost double-digit growth in April 2021 compared to the same month last year, according to NSI data.

The general producer price index in April increased by 9.8% compared to the same month of 2020. There is an increase in prices in the mining and quarrying industry - by 20%, in the manufacturing industry - by 10.9%, and in the production and distribution of electricity and heat and gas - by 5.5%.

The NSI reports more significant growth in the manufacturing industry: in the manufacture of basic metals - by 31.3%, in the manufacture of rubber and plastics - by 9.4%, in the manufacture of chemicals - by 8.6%, and in the manufacture of food products - by 6.8%.

Compared to March, the price increase was 0.3%. This was registered in the production and distribution of electricity, heat and gas - by 0.6%, in the manufacturing - by 0.2%, and a decrease was reported in the mining and quarrying - by 1.5%.

A larger increase in producer prices in the manufacturing industry was observed in the manufacture of rubber and plastic products - by 4.6%, in the manufacture of wood and wood products, except furniture - by 3%, as well as in the manufacture of chemical products - with 2.2%.

Investments, competitiveness and new markets - these are the new directions of development of the chemical industry in Bulgaria in the last few years. The modern Bulgarian chemical industry is export-oriented. The dynamics of the import of chemical products in the country clearly shows that the demand significantly exceeds the supply from the local industry, which shows that there is a real potential to increase the volume of production.

Among the companies with the best positions and the most pronounced tendency to increase revenues in recent years, the producer of soda ash Solvay Sodi AD and the fertilizer

plant Agropolichim AD stand out. A significant share in exports is also occupied by Lukoil Neftochim Burgas AD, Svilosa AD, Orgachim AD and Agria AD.

In recent years, Lukoil Neftochim Burgas AD continues to invest in new equipment and technologies, which significantly increases the productivity, energy and environmental performance of the plant. Thus, for example, the new furnace and boiler-utilizer, operating on high-purity gas, put into operation in AD-4 installation in September 2018, helped to reduce the emissions of carbon, nitrogen and sulfur oxides by 33% while increasing the energy efficiency with 13%.

The largest investment project of LUKOIL Neftochim Burgas AD so far is underway - the construction of a new complex for the production of 150 ht polypropylene, valued at EUR 1 billion. It is envisaged that the new facilities will ensure a more rational use of crude oil and the production of new polymer products with higher added value to meet the needs of the domestic market of high quality and diverse modern brands of polypropylene. The company continues to invest in the development and professional qualification of the staff, as well as in social infrastructure and significant public projects.

For the last decade Agropolichim AD has invested over BGN 300 million in its production. At the beginning of 2019 alone, the company invests another BGN 100 million in its business in Devnya, in order to increase the production capacity, with a large part of the production going to export.

At the end of 2020, the capacity of the ammonia import terminal reached 23,000 tons and part of the production was exported to Romania and Serbia. The production capacity of nitrogen fertilizers has increased by 50% in the last two years.

Investments in the field of logistics and energy efficiency are planned. More than half of the electricity needed by the plant will be produced through "cogeneration", the company said in an official statement.

Svilosa AD is another company, aware of its responsibility for the protection of life and health of people and the environment. The adoption and application of European environmental standards are a guarantee for the sustainable development of the company and the successful expansion of market positions.

The main goal of the company is to constantly strengthen its leading position in the production of bleached sulfate cellulose in Bulgaria and the Balkans. The company's trade policy is strictly export-oriented. As a result, nearly 90% of the produced sulfate cellulose is

destined for the markets of Turkey, Greece, Germany, Italy, Serbia, Romania, Egypt. Recently, the company also offers PN-98 (granular calcium carbonate) and PP-76 - soil improvers for neutralizing acid soils, extremely suitable as a reclamation material for acid soils or those with a tendency to acidification.

Svilosa AD has internationally recognized certificates certifying compliance with global standards and practices in the field, and the subsidiary Svilocell EAD has a FSC® / Forest Stewardship Council / certificate for tracking the production of CoC.

Agria is a company for the production of chemical plant protection products. It was established in Plovdiv in 1932 as a joint-stock company "Agrochemical Industry". Initially, the company produces and processes nicotine tars for medical purposes, soaps and plant protection products. In 1934, on the basis of plant raw materials by dry distillation of wood, the production of the first Bulgarian insecticide - carbolineum - started, and a little later the production of creolin began - the first Bulgarian veterinary medicine for bathing sheep against scabies. In 1947 the joint-stock company was nationalized and merged with other enterprises, and in 1970 it was renamed the Agria chemical plant. In 1991 the company became a state joint stock company, and in 1997 it was privatized. Insecticides, fungicides, herbicides, hydrochloric acid and potassium hydroxide are mainly produced.

Currently Agria AD is the only Bulgarian manufacturer of plant protection products that produces, imports and trades in herbicides, fungicides, insecticides, biostimulators, growth stimulants and trace elements. The company exports plant protection products to more than 50 countries in Europe, Asia, South America, Africa and the Middle East. The development of Agria AD is in all directions - modernization and increase of production, introduction of new products, environmental protection, commitment to ecology and quality.

Solvay Sodi is a Bulgarian chemical company with main activity the production of soda. With a capacity of 1.2 million tons per year, it is the largest producer of soda ash in Europe and one of the largest in the world.

The soda plant in Devnya was established in 1954 as a state-owned enterprise. In 1974, it was replaced by an entirely new, much larger plant on the same site. In April 1997, with the sale of 60% of the company's capital to the Belgian company Solvay, it was renamed from Sodi to Solvay Sodi. In 2000, Solvay Sodi acquired ownership of some of its main suppliers of raw materials, such as Provadsol, Provia and Devnya Limestone, together with

Devnya Cement, and by 2007 98% of Solvay Sodi's shares became the property of Solvay Shishejam Holding, a holding company. Solvay, Sisecam and the European Bank for Reconstruction and Development (EBRD). In 2020, Solvay Sodi AD received a Class A Investment Certificate from the Bulgarian Investment Agency with the project "Installation for production, packaging and storage of baking soda", aimed at increasing the production of this product in Devnya to 200 thousand. tons per year.

Neochim AD is the successor of the Chemical Plant in Dimitrovgrad, which started its production activity on November 5, 1951 and a leader on the Bulgarian and international market in the production and trade of mineral fertilizers, inorganic and organic chemical products. Neochim AD is the only producer in Bulgaria of formalin, urea-formaldehyde resins, sodium nitrate, ammonium bicarbonate, heavenly gas, polyethylene oxide, glass-filled thermoplastics and others. The company maintains trade relations with partners from the USA, Brazil, England, France, Italy, Greece, Turkey, Poland, Romania and others. Product list: Nitrogen, Nitric acid, Ammonium bicarbonate, Ammonium nitrate, Ammonia, Ammonia water, Desalinated water, Carbon dioxide, Nitric oxide, Urea-formaldehyde resin, Oxygen, Sodium nitrate, Formalin, Magnesium, Magnesium Injection molded products, Mixed fertilizers.

Orgachim AD is the largest producer of paints, varnishes, resins and anhydrides in Bulgaria and one of the largest and best equipped chemical companies in Southeast Europe. The product range includes - paints, varnishes, enamels, primers, adhesives, electrical insulating varnishes, resins, with a full range of registered trademarks. The innovations and technologies used in the production ensure a constant growth in the company's competitiveness and increase its value in society, as a constant concern for human health and nature protection.

Plastimo AD follows the latest world technologies and strives to offer its customers new modern products. The company is a manufacturer of thermal insulation blocks and plates, transport packaging and other products from graphite expanded polystyrene (developed by BASF, the main company supplier) and expanded polypropylene (EPP) with different densities for the food industry, electronics, engineering, agriculture, construction and other industrial sub-sectors. It is produced mainly for the Bulgarian market, but some of the new expanded polypropylene products are also intended for customers in Europe. The quality is guaranteed by the implemented integrated management system - IMS / ISO 9001, ISO 14001, OHSAS 18001 /.

The positive international image of the Bulgarian chemical industry is also contributed by the representatives of world chemical companies, such as BASF EOOD - for more than 50 years BASF is a partner of the Bulgarian chemical industry, Brentag Bulgaria EOOD - distributor of a wide range of chemical raw materials, MERK Bulgaria EAD - a branch of the oldest pharmaceutical and chemical company in the world, Kercher Ltd. - part of the world's largest manufacturer of cleaning equipment, Air Liquid Bulgaria Ltd. - a leading manufacturer and supplier of technical gases on the Bulgarian market, HSH Chemistry Ltd. - distributor of raw materials for chemical industry.

Air Liquide is the world's leading producer of gases for industrial and medical purposes, as well as for environmental protection. The company operates in more than 80 countries, supplying its customers on all continents in a variety of industries, providing jobs to over 43,600 employees. The company entered the Bulgarian market in November 1999. The gaseous and liquefied products of Air Liquid Bulgaria find various industrial applications in metallurgy, welding and cutting, refining, in the chemical and petrochemical industry, in the food, paper industry and many other places.

Currently, Air Liquide Bulgaria owns and manages 2 production sites with air separation installations - in Pernik and Pirdop, a bottle filling center in Gabrovo and Pirdop and distribution centers in Sofia, Varna, Ruse and Dobrich.

Plastchim-T AD is one of the largest producers of biaxially oriented polypropylene foil (BOPP), cast oriented polypropylene foil (KPP) and flexible packaging in Bulgaria and on the Balkan Peninsula. The company has existed since 1967 mainly as a manufacturer of household appliances and electrical engineering. The production of polypropylene twine and polyethylene foil began in the late 1970s. The production of flexible packaging started in 1983, and in 1990 the production of flexible containers began. In December 1997, the company was privatized by Famtex, which existed until 2007, when it merged with Plastchim-T and retained the name of the latter.

Tecom AD was founded in 1984 by leading experts in the field of construction chemistry, such as Tecom Research Center and Progress Development and Implementation Base, Burgas, with a subject of activity construction chemistry in the utilization of industrial wastes from composite materials and technologies. Tekom has been privatized since 1997 and in the following years built modern technological lines for the production of additives for concrete, formwork oils, flocculants, auxiliary products based on organic chemical synthesis and nanotechnology. In 2002 the company acquired the Tekom factory - Gorna Malina



village, where it built a technological line for the production of polymer and silicone primers, silicone impregnators and water repellents for protection against aggressors, polymer and silicone plasters, dry construction adhesives, floor coverings, renovation systems , waterproofing products, etc. based on nanotechnology.

The company specializes in the production of the following groups of products: admixtures for cement concrete and mortars; ancillary products; formwork oils; polymer and silicone primers; silicone impregnators and water repellents; polymer and silicone plasters; dry construction adhesives; floor coverings; waterproofing and remediation products; flocculants. Since 2010, Tecom has included in its production list the series of superplasticizers based on polycarboxylate ethers Carboplast.

Henkel is a leading global manufacturer with more than 130 years of history, with over 55,000 employees and 75 subsidiaries, operating in more than 125 countries on five continents in several major strategic business areas:

- consumer and professional adhesives
- construction chemistry
- industrial technologies
- detergents and cleaners for the home
- cosmetics and personal care products

Henkel Bulgaria EOOD as a representative of Henkel Group was founded in 1998 and since then the development trend of the company is only upward. The product list of the company includes sound insulation materials, fasteners, adhesives, flooring, thermal insulation, sealants, grouts, waterproofing materials and more. Along with the leading brand Ceresit, in Bulgaria "Adhesive Technologies" offers professional products and system solutions under the brands Thomsit, Moment, Makroflex, etc., necessary for the reliable and safe implementation of projects in the construction sector.

Verila Lubricants AD, with a majority owner PRISTA OIL HOLDING EAD, is the heir of the rich traditions of the company established in 1945. Verila chemical factory, village Flat field, Sofia region. In the decades between 1968 and 1990. the factory is undergoing a complete reconstruction and modernization and a number of new facilities have been put into operation, which shape the modern look of the production. In 1998 Verila was privatized, and at the end of 2007 Prista Oil Holding EAD acquired 75% of the company's shares and

renamed it Verila Lubricants AD. Verila Lubricants AD currently produces grease, lithium and calcium lubricants; oils; detergents; antifreeze; wiper fluids, etc.

Prista Oil Group is a holding structure whose field of activity covers the following two areas: production and trade of motor and industrial oils, greases and special fluids - an activity developed entirely by Prista Oil Holding and its international subsidiaries and battery business - in the structure of Monbat (one of the bluechips of the Sofia Commodity Exchange). Prista Oil's production facilities are built and developed in accordance with the most modern and innovative technologies. The wide range of products is the result of a combination of our own research and development with excellent cooperation with world leaders in the oil and chemical industry, such as Chevron, Ergon Inc., Gulf Oil Marine and others.

Prista Oil Holding is one of the leading Bulgarian companies with its own plants in Bulgaria and Uzbekistan, operating in more than 45 countries in Central and Eastern Europe, the Middle East, Central Asia and North Africa.

The main activity of Continvest Ltd. for more than 20 years is trade in chemical products. The company is a major importer for the Bulgarian market of sodium hydroxide, hydrochloric acid and chlorine. The company has bases in the cities of Yambol, Stara Zagora, Gorna Oryahovitsa and Sofia, as well as its own fleet and railway cars and is certified according to the following standards: ISO 9001: 2008 ISO 14001: 2004 OHSAS 18001: 2007 SA 8000: 2008 ISO 22000: 2005 (HACCP).

Since 2005 started production of approved, in accordance with the requirements of BDS, safe and energy-saving technologies of products such as ferric chloride, ferric chloride sulfate, aluminum sulfate in liquid and solid form, polyaluminum oxychloride and sodium hypochlorite - which are widely used in various economic activities water streams to bleach paper pulp. From the beginning of 2015 the company expands its activities in the sectors of trade in fertilizers and feed, detergents, raw materials for the production of cosmetics and pharmaceuticals. From the end of 2015 are official distributors of Anorel and SQM - leaders in the production of fertilizers and plant protection products.

Continvest Ltd. works with more than 120 companies in Bulgaria, Malta, Greece, Albania, Central and Western Europe. The company's main product list includes chlorine coagulants (sodium hypochlorite, ferric chloride and ferric chloride sulfate ( $\text{FeCl}_3 \cdot \text{SO}_4$ )); solid and liquid aluminum sulfate; polyaluminum oxychloride.

Omia Bulgaria EOOD is a subsidiary of the concern OMYA AG - a manufacturer of high quality fillers for paper, varnishes and paints, plastics, rubbers and other industries. Omia Bulgaria is a supplier of calcium carbonate, talc, barium sulfate, kaolin, micro mica, SiO<sub>2</sub> synthetic, TiO<sub>2</sub> pigment, flame retardant halogenfree, epoxy resins, dispersants, thickeners for water systems and others. (Facade Paints, Varnishes, Industrial Chemistry, Interior Paints, Adhesives)

Enamilchim AD is a manufacturer of a wide range of self-leveling flooring for civil and industrial construction with RAL colors, varnishes designed to cover metal boxes, tubes, caps and other metal packaging for storage of food, cosmetics and medicines. The company is a leading Bulgarian manufacturer of anti-corrosion and waterproofing materials, products for repair of water facilities (slides, swimming pools, pavements) suitable for water parks, entertainment facilities, etc., protective coatings for concrete, metal, some plastics.

Teklas Bulgaria is a subsidiary of the Turkish Teklas, which produces components from rubber, plastic and metal for the automotive industry. The group has plants in four more countries - Turkey, China, Mexico and Serbia, and its production base in Bulgaria includes factories in Krumovgrad, Kardzhali, Momchilgrad and Vratsa.

In the annual BCCI ranking for the leading companies in the country there is a serious presence of companies operating in the field of chemical industry:

Top 1500+ - Companies ranked by the value of net sales revenue, edition 2021, there are 46 companies with a subject of activity production or trade in chemical products.

Table 5: Top 1500+ Companies ranked by the value of net sales revenue from the chemical industry

№	Name of the company	Activity
5	ASTRA BIOPLANT	Manufacture of other chemical products nec
49	SOLVAY SODI	Manufacture of other basic inorganic chemicals
53	AFER BULGARIA	Wholesale of chemicals and products
157	OBEROSTERAYHISHE BIODIESEL - BULGARIA	Manufacture of other chemical products nec
159	999 - IV. ACEHOB	Wholesale of chemicals and products
192	DOBELE BULGARIA	Manufacture of other chemical products nec
228	HIGH PROTEIN	Manufacture of other chemical products nec
229	AGRIA	Production of pesticides and other agrochemicals

242	BASF	Wholesale of chemicals and products
245	EURO FERT	Wholesale of chemicals and products
274	SHISHEDJAM BULGARIA	Wholesale of chemicals and products
292	Henkel Bulgaria	Wholesale of chemicals and products
294	F + C-AGRO	Wholesale of chemical products
309	EL AND EM TRADING	Commercial intermediation with fuels, ores, metals and chemical products
318	BRENTAG BULGARIA	Wholesale of chemicals and products
331	SYNGENTA BULGARIA	Wholesale of chemicals and products
342	PRISTA OIL HOLDING	Manufacture of other chemical products nec
350	ALMAGEST	Production of other basic organic chemicals
365	EUROCHIM AGRO BULGARIA	Wholesale of chemicals and products
384	BALKAN POLYMERS	Wholesale of chemicals and products
420	SUGAR FACTORIES	Production of other basic organic chemicals
423	SOLVAY-BULGARIA	Wholesale of chemicals and products
446	GREENLINE CHEMICALS	Wholesale of chemicals and products
462	METALCOM INVEST	Wholesale of chemicals and products
566	BULAGRO	Wholesale of chemicals and products
625	OTHERWISE SOLUTIONS	Wholesale of chemicals and products
626	GLOBAL LINKS	Wholesale of chemicals and products
635	AGROCHEMICALS	Wholesale of chemical products
639	AGRICULTURE	Wholesale of chemicals and products
661	FERT BUL	Wholesale of chemicals and products
674	Евросяра	Wholesale of chemicals and products
686	KBC AGRO - BULGARIA	Wholesale of chemical products
697	SEMBODIA	Wholesale of chemicals and products
709	AGROFERT	Wholesale of chemical products
781	WINE. S. INDUSTRIES	Production of other basic organic chemicals
910	SYNTHESIS	Wholesale of chemical products
926	PETROBUL BG	Wholesale of chemicals and products
1181	Summit Agro Romania SRL Bulgaria	Wholesale of chemicals and products
1205	TIMAK AGRO BULGARIA	Wholesale of chemicals and products
1279	HYGIENE - MEDICAL INDUSTRY	Manufacture of other chemical products nec
1293	JOHN	Wholesale of chemicals and products
1326	PIRINITE	Wholesale of chemicals and products
1355	MANTI KO	Wholesale of chemicals and products

1431	Hellagrolip	Wholesale of chemicals and products
1438	SAFIK-ALKAN CHIMSNAB	Wholesale of chemicals and products
1491	IZOLA PETROV	Manufacture of other chemical products nec

Source: BCCI Annual Ranking 2021, Top 1500+ - Companies ranked by the value of net sales revenues.

“Sopharma ”and“ Lukoil Neftochim ”are among the 22 Bulgarian companies (4 more than in the previous ranking), from the sectors of oil, chemical and pharmaceutical industry, metallurgy, finance and IT technologies, ranked in this year's edition of CEE Top 500 - the ranking of the largest companies in Central and Eastern Europe by the international credit insurance and risk management agency Coface.

According to the NSI classification, the following industries have been included in the chemical sector since 2008: Production of industrial gases (code 2011), dyes and pigments (2012), other basic inorganic chemicals (2013), other basic organic chemicals ( 2014), nitrogen compounds and fertilizers (2015), polymers in primary forms (2016), pesticides and other agrochemicals (2020), paints, varnishes and similar products, printing ink and putties (2030), man-made fibers (2060).

The following table shows the production volumes and the volumes and value of sales of basic chemical products in the Republic of Bulgaria - products of the mining industry, chemical products and their products, fertilizers, pesticides, biocides, cleaning agents and detergents, medicines and others in natural expression (kg, liters, m3, etc.) for 2019.

Table 6: DATA AGGREGATED BY PRODUCT SUBCATEGORIES OF THE CLASSIFICATION OF PRODUCTS BY ECONOMIC ACTIVITIES (KPID-2008 / KPID-2015) -DYNAMIC ROW1, 2, 3,

The aggregate data on the individual main products show a decrease in the production of a number of chemical products, which are necessary to satisfy the consumption on the Bulgarian market.

The presented data (in yellow) show the value of the production in the main subsectors of the chemical industry in Bulgaria for 2020. some of the sectors do not fall within the scope of statistics due to the presence of a limited number of producers on the Bulgarian market. Despite this, the chemical industry is an essential part of the economy and generates a significant share in terms of turnover and value of output.

In the composition of a number of products, different chemical substances and compounds are used, which are also decisive for the properties and the pricing of the given product.

**PRODPROM DATA BY PRODUCT SUBCATEGORIES OF THE CLASSIFICATION OF PRODUCTS BY ACTIVITY**

(CPA.BG-VER.2.1) - 2020 YEAR

Description	Unit	>CPA.BG-Ver.2.1	Total production	Sold production	
			Quantity	Quantity	Value - thousand BGN, excl. VAT and excise duties
Iron ores	kg	07.10.10	..	..	..
Copper ores and concentrates	kg	07.29.11	32 407 407 662	665 252 914	1 226 650
Nickel ores and concentrates	kg	07.29.12	-	-	-
Aluminium ores and concentrates	kg	07.29.13	-	-	-
Precious metal ores and concentrates	kg	07.29.14	..	..	..
Lead, zinc and tin ores and concentrates	kg	07.29.15	824 811 928	450 329 832	127 652
Other non-ferrous metal ores and concentrates n.e.c.	kg	07.29.19	-	-	-
Marble and other calcareous ornamental or building stone	kg	08.11.11	..	..	..
Granite, sandstone and other ornamental or building stone	kg	08.11.12	..	1 928 154 776	8 771
Limestone and gypsum	kg	08.11.20	..	..	..
Chalk and uncalcined dolomite	kg	08.11.30	..	167 471 957	2 424
Slate	kg	08.11.40	..	..	..
Natural sands	kg	08.12.11	7 197 245 375	..	..
Granules, chippings and powder; pebbles, gravel	kg	08.12.12	..	28 514 471 335	203 334
Mixtures of slag and similar industrial waste products, whether or not incorporating pebbles, gravel, shingle and flint for construction use	kg	08.12.13	-	-	-
Kaolin and other kaolinic clays	kg	08.12.21	..	..	..
Other clays, andalusite, kyanite and sillimanite; mullite; chamotte or dinas earths	kg	08.12.22	..	..	..
Natural calcium or aluminium calcium phosphates	kg	08.91.11	-	-	-
Unroasted iron pyrites; crude or unrefined sulphur	kg	08.91.12	-	-	-
Other chemical and fertiliser minerals	kg	08.91.19	..	..	..
Salt and pure sodium chloride; sea water	kg	08.93.10	..	..	..
Bitumen and asphalt, natural; asphaltites and asphaltic rock	kg	08.99.10	-	-	-
Precious and semi-precious stones (excluding industrial diamonds), unworked or simply sawn or roughly shaped	c/k	08.99.21	-	-	-
Industrial diamonds, unworked or simply sawn, cleaved or bruted; pumice stone; emery; natural corundum, natural garnet and other natural abrasives	kg	08.99.22	-	-	-
Other minerals	kg	08.99.29	270 640 212	197 709 870	8 611
Meat of bovine animals, fresh or chilled	kg	10.11.11	9 981 814	9 183 846	67 587
Meat of swine, fresh or chilled	kg	10.11.12	159 556 949	126 838 095	651 411

Meat of sheep, fresh or chilled	kg	10.11.13	2 403 947	2 026 901	22 598
Meat of goats, fresh or chilled	kg	10.11.14	..	..	..
Meat of horses and other equines, fresh or chilled	kg	10.11.15	..	..	..
Edible offal of bovine animals, swine, sheep, goats, horses and other equines, fresh or chilled	kg	10.11.20	5 831 654	5 860 641	15 172
Meat of bovine animals, frozen	kg	10.11.31	349 595	372 452	2 919
Meat of swine, frozen	kg	10.11.32	11 243 412	13 447 173	54 472
Meat of sheep, frozen	kg	10.11.33	..	..	..
Meat of goats, frozen	kg	10.11.34	-	-	-
Meat of horses and other equines, frozen	kg	10.11.35	..	..	..
Other meat and edible offal, fresh, chilled or frozen	kg	10.11.39	..	..	..
Pulled wool, greasy, including fleece-washed pulled wool	kg	10.11.41	-	-	-
Whole raw hides and skins of bovine or equine animals	p/st	10.11.42	65 812	53 410	620
Other raw hides and skins of bovine or equine animals	kg	10.11.43	295 861	293 701	156
Raw hides and skins of sheep or lambs	p/st	10.11.44	87 897	62 129	70
Raw hides and skins of goats or kids	p/st	10.11.45	-	-	-
Fats of bovine animals, sheep, goats or pigs	kg	10.11.50	..	..	..
Raw offal, inedible	kg	10.11.60	8 566 554	6 927 929	4 831
Meat of poultry, fresh or chilled	kg	10.12.10	..	..	..
Meat of poultry, frozen	kg	10.12.20	48 960 661	46 625 301	150 630
Fats of poultry	kg	10.12.30	2 263 845	1 760 758	2 604
Edible offal of poultry	kg	10.12.40	7 555 897	6 214 430	44 794
Feathers and skins of birds with feathers	kg	10.12.50	1 189 142	555 635	1 089
Swine meat, cuts, salted, dried or smoked (bacon and ham)	kg	10.13.11	15 905 734	15 841 784	117 821
Bovine meat, salted, dried or smoked	kg	10.13.12	515 456	513 116	6 846
Other meat and edible meat offal, salted, in brine, dried or smoked (excluding swine and bovine meat); edible flours and meals of meat or meat offal	kg	10.13.13	4 910 386	4 878 305	21 539
Sausages and similar products of meat, offal or blood	kg	10.13.14	..	..	..
Other prepared and preserved meat, meat offal or blood	kg	10.13.15	21 404 988	21 526 235	124 375
Flours, meals and pellets of meat unfit for human consumption; greaves	kg	10.13.16	..	..	..
Cooking and other preparation services for the production of meat products	thous. BGN	10.13.91	x	x	..
Fish fillets and other fish meat (whether or not minced), fresh or chilled	kg	10.20.11	453 732	449 400	4 109
Fish livers and roes, fresh or chilled	kg	10.20.12	-	-	-
Fish, frozen	kg	10.20.13	2 839 892	2 985 860	10 686
Fish fillets, frozen	kg	10.20.14	773 615	632 334	8 892
Fish meat (whether or not minced), frozen	kg	10.20.15	-	-	-
Fish livers and roes, frozen	kg	10.20.16	..	..	..
Fish fillets, dried, salted or in brine, but not smoked	kg	10.20.21	-	-	-
Fish livers, roes, fins, heads, tails, maws and other edible offal dried, smoked, salted or in brine; flours, meals and pellets of fish, fit for human consumption	kg	10.20.22	..	..	..

Fish, dried, whether or not salted, or in brine	kg	10.20.23	444 591	427 742	1 709
Fish, including fillets, smoked	kg	10.20.24	447 471	..	..
Fish, otherwise prepared or preserved, except prepared fish dishes	kg	10.20.25	6 094 106	5 868 642	36 552
Caviar and caviar substitutes	kg	10.20.26	..	..	..
Crustaceans frozen, dried, salted or in brine	kg	10.20.31	..	..	..
Molluscs, frozen, dried, salted or in brine	kg	10.20.32	684 420	515 597	4 975
Other aquatic invertebrates and seaweed, frozen, dried, salted or in brine	kg	10.20.33	318 854	308 331	3 288
Crustaceans, molluscs and other aquatic invertebrates and seaweed, otherwise prepared or preserved	kg	10.20.34	2 169 339	1 333 241	28 291
Flours, meals and pellets of fish, crustaceans, molluscs or other aquatic invertebrates or seaweed, unfit for human consumption	kg	10.20.41	-	-	-
Other inedible products of fish, crustaceans, molluscs or other aquatic invertebrates or seaweed	kg	10.20.42	445 515	445 515	73
Potatoes, frozen	kg	10.31.11	..	..	..
Dried potatoes whether or not cut or sliced but not further prepared	kg	10.31.12	..	..	..
Dried potatoes in the form of flour, meal, flakes, granulates and pellets	kg	10.31.13	-	-	-
Potatoes prepared or preserved	kg	10.31.14	304 452	304 452	1 353
Tomato juice	l	10.32.11	..	..	..
Orange juice	#	10.32.12	x	x	10 470
Grapefruit juice	l	10.32.13	..	..	..
Pineapple juice	l	10.32.14	2 103 065	2 679 796	3 080
Grape juice	l	10.32.15	-	-	-
Apple juice	l	10.32.16	6 368 430	5 578 872	9 549
Mixtures of fruit and vegetable juices	l	10.32.17	8 274 897	8 562 887	10 563
Other fruit and vegetable juices	l	10.32.19	..	14 959 234	18 361
Vegetables, frozen	kg	10.39.11	16 904 940	12 981 631	38 066
Vegetables provisionally preserved	kg	10.39.12	..	..	..
Dried vegetables	kg	10.39.13	..	..	..
Beans, preserved otherwise than by vinegar or acetic acid, except prepared vegetable dishes	kg	10.39.15	2 309 022	2 263 534	4 685
Peas, preserved otherwise than by vinegar or acetic acid, except prepared vegetable dishes	kg	10.39.16	523 926	474 984	719
Other vegetables (except potatoes), preserved otherwise than by vinegar or acetic acid, except prepared vegetable dishes	kg	10.39.17	..	47 522 821	137 367
Vegetables (except potatoes), fruit, nuts and other edible parts of plants, prepared or preserved by vinegar or acetic acid	kg	10.39.18	14 013 760	12 921 715	27 841
Fruit and nuts, uncooked or cooked, frozen	kg	10.39.21	17 560 107	15 803 774	54 941
Jams, fruit jellies and fruit or nut puree and pastes	kg	10.39.22	11 319 139	10 629 227	30 600
Nuts, groundnuts, roasted, salted or otherwise prepared	kg	10.39.23	33 878 168	32 652 801	161 960
Fruit and nuts, provisionally preserved, not for immediate consumption	kg	10.39.24	9 814 483	8 774 655	25 573



Groundnuts and nuts, shelled	kg	10.39.25	577 025 588	210 055 196	259 149
Other prepared, dried or preserved fruits and nuts	kg	10.39.29	39 069 376	40 133 897	154 050
Vegetable materials and vegetable waste, vegetable residues and by-products	kg	10.39.30	..	..	..
Cooking and other preparation services for the preservation of fruit and vegetables	thous. BGN	10.39.91	x	x	384
Lard stearin, lard oil, oleostearin, oleo-oil and tallow oil, not emulsified or mixed or otherwise prepared	kg	10.41.11	..	..	..
Fats and oils and their fractions, of fish and marine mammals	kg	10.41.12	-	-	-
Other animal fats and oils and their fractions, whether or not refined, but not chemically modified	kg	10.41.19	..	..	..
Groundnut oil, crude	kg	10.41.21	-	-	-
Olive oil, crude	kg	10.41.22	..	..	..
Sunflower-seed oil, crude	kg	10.41.23	596 898 179	450 140 108	634 736
Rape, colza and mustard oil, crude	kg	10.41.24	52 446 800	..	..
Palm oil, crude	kg	10.41.25	-	-	-
Other vegetable oils, crude	kg	10.41.29	678 648	..	1 937
Cotton linters	kg	10.41.30	-	-	-
Oil-cake and other solid residues, of vegetable fats or oils	kg	10.41.41	792 774 073	795 845 757	315 696
Flours and meals of oil seeds or oleaginous fruits, except those of mustard	kg	10.41.42	..	..	..
Soya-bean oil and its fractions, refined but not chemically modified	kg	10.41.51	..	..	..
Groundnut oil and its fractions, refined but not chemically modified	kg	10.41.52	..	..	..
Olive oil and its fractions, refined but not chemically modified	kg	10.41.53	-	-	-
Sunflower-seed oil and its fractions, refined but not chemically modified	kg	10.41.54	151 353 458	143 457 355	263 250
Cotton-seed oil and its fractions, refined but not chemically modified	kg	10.41.55	-	-	-
Rape, colza and mustard oil and their fractions, refined but not chemically modified	kg	10.41.56	-	-	-
Palm oil and its fractions, refined but not chemically modified	kg	10.41.57	..	..	..
Coconut oil and its fractions, refined but not chemically modified	kg	10.41.58	-	-	-
Other oils and their fractions, refined but not chemically modified; fixed vegetable fats and other vegetable oils (except maize oil) and their fractions n.e.c. refined but not chemically modified	kg	10.41.59	-	-	-
Animal or vegetable fats and oils and their fractions, hydrogenated, esterified, but not further prepared	kg	10.41.60	325 774	..	..
Vegetable waxes (excluding triglycerides)	kg	10.41.71	-	-	-
Degras; residues resulting from treatment of fatty substances or animal or vegetable waxes	kg	10.41.72	4 184 525	4 039 403	1 182
Margarine and similar edible fats	kg	10.42.10	13 642 965	11 876 710	21 678
Ice cream and other edible ice	l	10.52.10	11 419 754	10 238 747	40 428
Husked rice	kg	10.61.11	7 541 334	..	..

Rice, semi- or wholly milled or broken	kg	10.61.12	15 705 800	16 835 277	21 392
Wheat or maslin flour	kg	10.61.21	483 730 112	436 474 319	231 983
Other cereal flour	kg	10.61.22	5 716 773	4 953 675	3 128
Vegetable flour and meal	kg	10.61.23	..	..	321
Mixes for preparation of bakers' wares	kg	10.61.24	49 087 437	49 603 617	108 223
Groats and meal of wheat	kg	10.61.31	..	..	..
Cereal groats, meal and pellets n.e.c.	kg	10.61.32	8 781 707	8 800 757	4 150
Breakfast cereals and other cereal grain products	kg	10.61.33	15 649 024	..	..
Bran, sharps and other residues from the working of cereals	kg	10.61.40	177 390 275	..	..
Starches; inulin; wheat gluten; dextrans and other modified starches	kg	10.62.11	..	..	..
Tapioca and substitutes prepared from starch in flakes, grains and the like	kg	10.62.12	-	-	-
Glucose and glucose syrup; fructose and fructose syrup; invert sugar; sugars and sugar syrups n.e.c.	kg	10.62.13	..	..	..
Maize oil	kg	10.62.14	..	..	..
Residues of starch manufacture and similar residues	kg	10.62.20	..	..	..
Fresh bread	kg	10.71.11	302 562 817	301 069 151	348 471
Fresh pastry goods and cakes	kg	10.71.12	76 129 281	77 435 251	374 571
Crispbread, rusks, toasted bread and similar toasted products	kg	10.72.11	17 094 037	16 161 205	75 949
Gingerbread and the like; sweet biscuits; waffles and wafers	kg	10.72.12	..	..	..
Other dry or preserved bakers' wares	kg	10.72.19	..	..	..
Macaroni, noodles and similar farinaceous products	kg	10.73.11	11 101 107	11 109 320	14 787
Couscous	kg	10.73.12	-	-	-
Raw cane or beet sugar, in solid form	kg	10.81.11	-	-	-
Refined cane or beet sugar and chemically pure sucrose, in solid form, not containing added flavouring or colouring matter	kg	10.81.12	..	..	..
Refined cane or beet sugar, containing added flavouring or colouring matter; maple sugar and maple syrup	kg	10.81.13	-	-	-
Molasses	kg	10.81.14	..	..	..
Beet-pulp, bagasse and other waste of sugar manufacture	kg	10.81.20	-	-	-
Cocoa paste, whether or not defatted	kg	10.82.11	..	..	..
Cocoa butter, fat and oil	kg	10.82.12	-	-	-
Cocoa powder, not containing added sugar or other sweetening matter	kg	10.82.13	..	..	..
Cocoa powder, containing added sugar or other sweetening matter	kg	10.82.14	..	..	..
Chocolate and food preparations containing cocoa (except sweetened cocoa powder), in bulk forms	kg	10.82.21	566 745	..	..
Chocolate and food preparations containing cocoa (except sweetened cocoa powder), other than in bulk forms	kg	10.82.22	45 023 681	13 015 858	68 333
Sugar confectionery (including white chocolate), not containing cocoa	kg	10.82.23	8 321 901	8 067 238	40 176
Fruit, nuts, fruit-peel and other parts of plants, preserved by sugar	kg	10.82.24	234 728	233 521	1 525
Coffee, decaffeinated or roasted	kg	10.83.11	26 656 382	7 837 455	64 586

Coffee substitutes; extracts, essences and concentrates of coffee or coffee substitutes; coffee husks and skins	kg	10.83.12	1 228 924	1 254 397	5 738
Green tea (not fermented), black tea (fermented) and partly fermented tea, in immediate packings of a content ≤ 3 kg	kg	10.83.13	..	..	..
Extracts, essences, concentrates and preparations of tea or mate	kg	10.83.14	194 904	197 904	1 405
Herb infusions	kg	10.83.15	2 696 846	2 615 689	24 243
Vinegar and substitutes for vinegar obtained from acetic acid	l	10.84.11	12 797 961	11 799 453	11 900
Sauces; mixed condiments and mixed seasonings; mustard flour and meal and prepared mustard	kg	10.84.12	22 424 904	22 165 451	78 263
Food-grade salt	kg	10.84.30	31 322 852	31 065 112	5 868
Prepared meals and dishes based on meat, meat offal or blood	kg	10.85.11	7 293 159	6 493 991	32 973
Prepared meals and dishes based on fish, crustaceans and molluscs	kg	10.85.12	446 759	467 947	2 638
Prepared meals and dishes based on vegetables	kg	10.85.13	16 767 372	16 857 760	62 059
Prepared meals and dishes based on pasta	kg	10.85.14	702 634	699 143	3 481
Other prepared dishes and meals	kg	10.85.19	1 191 508	1 209 189	6 065
Homogenised food preparations and dietetic food	kg	10.86.10	..	..	..
Soups and broths and preparations thereof	kg	10.89.11	1 190 079	1 215 171	8 495
Eggs, not in shell, and eggs yolks fresh or preserved; eggs in shells preserved or cooked; egg albumin	kg	10.89.12	..	..	..
Yeasts (active or inactive); other single-cell micro-organisms, dead; prepared baking powders	kg	10.89.13	..	..	..
Extracts and juices of meat, fish and aquatic invertebrates	kg	10.89.14	-	-	-
Prepared perishable food products such as sandwiches and fresh pizza	kg	10.89.16	950 922	920 336	6 024
Food supplements for human consumption	kg	10.89.17	5 322 091	7 111 235	169 791
Miscellaneous food products n.e.c.	kg	10.89.19	59 732 952	58 266 517	211 169
Prepared feeds for farm animals, except lucerne meal and pellets	kg	10.91.10	914 752 677	785 745 536	422 329
Lucerne (alfalfa) meal and pellets	kg	10.91.20	16 253 125	16 031 818	4 919
Prepared pet foods	kg	10.92.10	87 576 020	..	..
Distilled alcoholic beverages	l alc. 100%	11.01.10	21 497 203	20 626 156	181 828
Sparkling wine of fresh grapes	l	11.02.11	297 894	228 205	805
Wine of fresh grapes, except sparkling wine; grape must	l	11.02.12	110 839 279	87 510 508	198 024
Other fermented beverages (e.g., cider, perry, mead); mixed beverages containing alcohol	l	11.03.10	18 796 012	17 938 453	30 520
Vermouth and other flavoured wine of fresh grapes	l	11.04.10	966 682	739 661	3 405
Beer, except dregs from brewing	l	11.05.10	..	..	..
Brewing or distilling dregs	kg	11.05.20	..	..	..
Malt	kg	11.06.10	38 013 741	..	..
Mineral waters and aerated waters, not sweetened nor flavoured	l	11.07.11	782 267 282	775 999 224	211 751
Other non alcoholic beverages	l	11.07.19	..	526 210 480	323 364
Cigars, cheroots, cigarillos and cigarettes, of tobacco or tobacco substitutes	#	12.00.11	x	x	..
Cured stemmed/striped tobacco leaves	kg	12.00.12	3 011 728	3 108 532	18 426

Other manufactured tobacco and substitutes; homogenised or reconstituted tobacco; tobacco extracts and essences	kg	12.00.19	288 738	301 571	2 157
Wool grease (including lanolin)	kg	13.10.10	..	..	..
Raw silk (not thrown)	kg	13.10.21	-	-	-
Wool, degreased or carbonised, not carded or combed	kg	13.10.22	..	..	..
Noils of wool or of fine animal hair	kg	13.10.23	..	..	..
Wool and fine or coarse animal hair, carded or combed	kg	13.10.24	..	..	..
Cotton, carded or combed	kg	13.10.25	..	..	..
Jute and other textile fibres (except flax, true hemp and ramie), processed but not spun	kg	13.10.26	-	-	-
Other vegetable textile fibres, processed but not spun	kg	13.10.29	..	..	..
Synthetic staple fibres, carded, combed or otherwise processed for spinning	kg	13.10.31	-	-	-
Artificial staple fibres, carded, combed or otherwise processed for spinning	kg	13.10.32	-	-	-
Silk yarn and yarn spun from silk waste	kg	13.10.40	-	-	-
Yarn of wool put up or not put up for retail store; yarn of fine or coarse animal hair or of horse hair	kg	13.10.50	4 745 666	3 825 056	121 799
Cotton yarn (other than sewing thread)	kg	13.10.61	1 951 126	1 869 333	25 524
Cotton sewing thread	kg	13.10.62	-	-	-
Flax yarn	kg	13.10.71	..	..	..
Yarn of jute or of other textile bast fibres; yarn of other vegetable textile fibres; paper yarn	kg	13.10.72	-	-	-
Yarn of man made filaments, multiple or cabled (other than sewing thread, high tenacity yarn of polyamides, polyesters or viscose rayon), not put up for retail sale; man made filament yarn (other than sewing thread) put up for retail sale	kg	13.10.81	167 835	147 608	..
Yarn other than sewing thread of synthetic staple fibres, containing $\geq$ 85% by weight of such fibres	kg	13.10.82	1 508 836	1 462 677	10 848
Yarn (other than sewing thread) of synthetic staple fibres, containing $<$ 85% by weight of such fibres	kg	13.10.83	..	..	..
Yarn (other than sewing thread) of artificial staple fibres	kg	13.10.84	..	..	..
Sewing thread and yarn of artificial and synthetic filaments and fibres	kg	13.10.85	..	..	845
Woven fabrics of silk or of silk waste	m2	13.20.11	-	-	-
Woven fabrics carded or combed wool or fine animal hair or of coarse animal hair or of horsehair	m2	13.20.12	..	..	..
Woven fabrics of flax	m2	13.20.13	..	..	..
Woven fabrics of jute and other textile bast fibres (except flax, true hemp and ramie)	m2	13.20.14	-	-	-
Woven fabrics of other vegetable textile fibres; woven fabrics of paper yarn	m2	13.20.19	-	-	-
Woven fabrics of cotton	m2	13.20.20	6 044 838	3 812 159	18 928
Woven fabrics of synthetic filament yarn and artificial filament yarn	m2	13.20.31	..	..	..

Woven fabrics of synthetic staple fibres	m2	13.20.32	5 581 400	4 745 754	42 116
Woven fabrics of artificial staple fibres	m2	13.20.33	..	..	..
Woven pile fabrics and chenille fabrics (other than terry towelling and narrow fabrics)	m2	13.20.41	-	-	-
Terry towelling and similar woven terry fabrics (other than narrow fabrics) of cotton	m2	13.20.42	..	..	..
Other terry towelling and similar woven terry fabrics (other than narrow fabrics)	m2	13.20.43	-	-	-
Gauze (other than narrow fabrics)	m2	13.20.44	-	-	-
Tufted textile fabrics, other than carpets	m2	13.20.45	-	-	-
Woven fabrics (including narrow fabrics) of glass fibres	kg	13.20.46	-	-	-
Bleaching and dyeing services of textile fibres and yarns	thous. BGN	13.30.11	x	x	..
Bleaching services of fabrics and textile articles (including wearing apparel)	thous. BGN	13.30.12	x	x	..
Dyeing services of fabrics and textile articles (including wearing apparel)	thous. BGN	13.30.13	x	x	5 701
Other finishing services of textiles and textile articles (including wearing apparel)	thous. BGN	13.30.19	x	x	6 389
Pile fabrics, terry fabrics, knitted or crocheted	kg	13.91.11	..	..	..
Other knitted or crocheted fabrics, including imitation fur by knitting	#	13.91.19	x	x	29 077
Blankets and travelling rugs, except electric blankets	p/st	13.92.11	..	..	..
Bed linen	kg	13.92.12	2 351 401	1 785 117	28 889
Table linen	kg	13.92.13	40 768	..	..
Toilet and kitchen linen	kg	13.92.14	1 816 103	..	..
Curtains (including drapes) and interior blinds; curtain or bed valances	m2	13.92.15	..	..	..
Furnishing articles n.e.c.; sets of woven fabric and yarn for making up into rugs, tapestries and the like	#	13.92.16	x	x	..
Sacks and bags, of a kind used for the packing of goods	kg	13.92.21	18 409 216	9 813 813	47 068
Tarpaulins, awnings and sunblinds; sails for boats, sailboards or landcraft; tents and camping goods (including pneumatic mattresses)	kg	13.92.22	..	..	..
Parachutes (including dirigible parachutes) and rotochutes; parts thereof	kg	13.92.23	9 868	9 868	1 052
Quilts, eiderdowns, cushions, pouffes, pillows, sleeping bags and the like, fitted with springs or stuffed or internally fitted with any material or of cellular rubber or plastics	p/st	13.92.24	..	35 099 792	213 169
Other made-up textile articles (including floor cloths, dish-cloths, dusters and similar cleaning cloths, life-jackets and life-belts)	kg	13.92.29	1 569 647	1 236 064	8 075
Carpets and other textile floor coverings, knotted	m2	13.93.11	..	..	..
Carpets and other textile floor coverings, woven, not tufted or flocked	m2	13.93.12	..	2 215	..
Carpets and other textile floor coverings, tufted	m2	13.93.13	..	..	..

Other carpets and textile floor coverings (including those of felt)	m2	13.93.19	..	..	..
Twine, cordage, rope and cables, of jute or other textile bast fibres	kg	13.94.11	843 803	497 533	2 790
Knotted netting of twine, cordage or rope, made up nets of textile materials; articles of yarn, strip n.e.c.	kg	13.94.12	858 303	861 887	4 700
Non-wovens and articles made from non-wovens, except apparel	kg	13.95.10	8 819 445	7 595 887	32 378
Metallised yarn or metallised gimped yarn	kg	13.96.11	..	..	..
Woven fabrics of metal thread and woven fabrics of metallised yarn n.e.c.	kg	13.96.12	-	-	-
Rubber thread and cord, textile covered; textile yarn and strip, impregnated or covered with rubber or plastics	kg	13.96.13	..	..	..
Textile fabrics, impregnated, coated or covered n.e.c.	m2	13.96.14	..	507 727	723
Tyre cord fabric of high tenacity yarn of nylon or other polyamides, polyesters or viscose rayon	m2	13.96.15	-	-	-
Textile products and articles for technical uses (including wicks, gas mantles, hose piping, transmission or conveyor belts, bolting cloth and straining cloth)	kg	13.96.16	229 905	225 806	2 072
Narrow woven fabrics; narrow fabrics of warp without weft assembled by adhesive (bolducs); trimmings and the like	thous. BGN	13.96.17	x	x	8 787
Tulles and other net fabrics, except woven, knitted or crocheted fabrics; lace in the piece, in strips or in motifs	thous. BGN	13.99.11	x	x	..
Embroidery in the piece, in strips or in motifs	thous. BGN	13.99.12	x	x	..
Felt, coated, covered or laminated	kg	13.99.13	..	..	..
Textile fibres ≤ 5 mm in length (flock), textile dust and mill neps	kg	13.99.14	..	..	..
Gimped yarn and strip; chenille yarn; loop wale-yarn	kg	13.99.15	1 834 451	664 681	8 660
Quilted textile products in the piece	m2	13.99.16	6 227 169	6 404 296	16 693
Other textiles and textile products n.e.c.	p/st	13.99.19	-	-	-
Apparel of leather or of composition of leather	p/st	14.11.10	26 144	19 534	405
Men's ensembles, jackets and blazers, industrial and occupational	p/st	14.12.11	1 492 335	598 903	27 831
Men's trousers, bib and brace overalls, breeches and shorts, industrial and occupational	p/st	14.12.12	1 415 353	612 959	20 343
Women's ensembles, jackets and blazers, industrial and occupational	p/st	14.12.21	225 170	115 478	3 645
Women's trousers, bib and brace overalls, breeches and sorts, industrial and occupational	p/st	14.12.22	208 572	133 087	3 378
Other workwear	p/st	14.12.30	2 204 804	1 255 363	19 794
Men's or boys' overcoats, car coats, capes, cloaks, anoraks, windcheaters, wind-jackets and similar articles, knitted or crocheted	p/st	14.13.11	1 910 958	989 904	16 018
Men's or boys' suits, ensembles, jackets, blazers, trousers, bib and brace overalls, breeches and shorts, knitted or crocheted	p/st	14.13.12	1 466 731	909 580	27 012
Women's or girls' overcoats, car coats, capes, cloaks, anoraks, windcheaters, wind-jackets and similar articles, knitted or crocheted	p/st	14.13.13	631 430	444 872	10 742

Women's or girls' suits, ensembles, jackets, blazers, dresses, skirts, divided skirts, trousers, bib and brace overalls, breeches and shorts, knitted or crocheted	p/st	14.13.14	16 748 218	7 216 693	126 653
Men's or boys' overcoats, raincoats, car coats, capes, cloaks, anoraks, wind-cheaters, wind-jackets and similar articles of textile fabrics, not knitted or crocheted	p/st	14.13.21	2 124 159	342 108	20 501
Men's or boys' suits and ensembles of textile fabrics, not knitted or crocheted	p/st	14.13.22	694 137	346 770	19 449
Men's or boys' jackets and blazers, of textile fabrics, not knitted or crocheted	p/st	14.13.23	1 242 403	432 771	30 202
Men's or boys' trousers, bib and brace overalls, breeches and shorts of textile fabrics, not knitted or crocheted	p/st	14.13.24	6 177 307	2 095 985	66 137
Women's or girls' overcoats, car coats, capes, cloaks, anoraks, wind-cheaters, wind-jackets and similar articles of textile fabrics, not knitted or crocheted	p/st	14.13.31	1 345 690	587 437	46 205
Women's or girls' suits and ensembles of textile fabrics, not knitted or crocheted	p/st	14.13.32	266 770	49 808	1 881
Women's or girls' jackets and blazers of textile fabrics, not knitted or crocheted	p/st	14.13.33	1 611 133	593 359	28 825
Women's or girls' dresses, skirts and divided skirts of textile fabrics, not knitted or crocheted	p/st	14.13.34	3 930 291	1 424 770	52 254
Women's or girls' trousers, bib and brace overalls, breeches and shorts of textile fabrics, not knitted or crocheted	p/st	14.13.35	5 290 689	..	..
Men's or boys' shirts, knitted or crocheted	p/st	14.14.11	1 978 949	824 076	14 852
Men's or boys' underpants, briefs, nightshirts, pyjamas, bathrobes, dressing gowns and similar articles, knitted or crocheted	p/st	14.14.12	6 809 867	5 705 586	28 325
Women's or girls' blouses, shirts and shirt-blouses, knitted or crocheted	p/st	14.14.13	13 706 763	7 048 665	101 099
Women's or girls' slips, petticoats, briefs, panties, nightdresses, pyjamas, dressing gowns, negligees, bathrobes and similar articles, knitted or crocheted	p/st	14.14.14	7 681 579	3 756 874	30 635
Men's or boys' shirts, of textile fabric not knitted or crocheted	p/st	14.14.21	2 877 581	685 247	18 470
Men's or boys' singlets and other vests, underpants, briefs, nightshirts, pyjamas, bathrobes, dressing gowns, of textile fabric not knitted or crocheted	p/st	14.14.22	..	312 016	2 453
Women's or girls' blouses, shirts and shirt-blouses, of textile fabric not knitted or crocheted	p/st	14.14.23	3 809 543	1 206 182	33 194
Women's and girls' singlets and other vests, slips, petticoats, briefs, panties, nightdresses, pyjamas, negligees, bathrobes, dressing gowns and similar articles, of textile fabric not knitted or crocheted	p/st	14.14.24	1 526 943	570 282	10 496
Brassieres, girdles, corsets, braces, suspenders, garters and similar articles and parts thereof, whether or not knitted or crocheted	#	14.14.25	x	x	3 217
T-shirts, singlets and other vests, knitted or crocheted	p/st	14.14.30	37 559 107	18 960 036	165 735

Babies' garments and clothing accessories, knitted or crocheted	thous. BGN	14.19.11	x	x	6 787
Tracksuits, ski suits, swimwear and other garments, knitted or crocheted	#	14.19.12	x	x	..
Gloves, mittens and mitts, knitted or crocheted	pa	14.19.13	538 822	536 785	522
Other made-up clothing accessories and parts of garments or of clothing accessories, knitted or crocheted	#	14.19.19	x	x	4 007
Babies' garments and clothing accessories, of textile fabric, not knitted or crocheted	thous. BGN	14.19.21	x	x	1 509
Tracksuits, ski suits and swimwear; other garments of textile fabric, not knitted or crocheted	p/st	14.19.22	1 317 283	..	..
Handkerchiefs, shawls, scarves, veils, ties, cravats, gloves and other made-up clothing accessories; parts of garments or of clothing accessories, of textile fabric, not knitted or crocheted, n.e.c.	#	14.19.23	x	x	7 586
Clothing accessories of leather or of composition leather, except sports gloves	#	14.19.31	x	x	1 127
Garments made up of felt or non-wovens, textile fabrics impregnated or coated	p/st	14.19.32	5 537 231	..	..
Hat forms, hat bodies and hoods of felt; plateaux and manchons of felt; hat shapes, plaited or made by assembling strips of any material	p/st	14.19.41	-	-	-
Hats and other headgear, of felt, or plaited or made by assembling strips of any material, or knitted or crocheted or made up from lace or other textile fabric in the piece; hairnets	p/st	14.19.42	..	..	..
Other headgear, except headgear of rubber or of plastics, safety headgear and asbestos headgear; headbands, linings, covers, hat foundations, hat frames, peaks and chinstraps, for headgear	thous. BGN	14.19.43	x	x	1 936
Articles of apparel, clothing accessories and other articles of fur skin, except headgear	p/st	14.20.10	..	-	-
Panty hose, tights, stockings, socks and other hosiery, knitted or crocheted	#	14.31.10	x	x	..
Jerseys, pullovers, cardigans, waistcoats and similar articles, knitted or crocheted	p/st	14.39.10	8 471 559	..	..
Tanned or dressed fur skins	#	15.11.10	x	x	..
Chamois leather	m2	15.11.21	-	-	-
Patent leather and patent laminated leather; metallised leather	m2	15.11.22	..	..	..
Leather, of bovine animals, without hair on, whole	kg	15.11.31	..	..	..
Leather, of bovine animals, without hair on, not whole	kg	15.11.32	..	..	..
Leather, of equine animals, without hair on	kg	15.11.33	-	-	-
Sheep or lamb skin leather, without wool on	#	15.11.41	x	x	-
Goat or kid skin leather, without hair on	#	15.11.42	x	x	..
Leather of swine	#	15.11.43	x	x	3 980
Leather of other animals, without hair on	kg	15.11.51	-	-	-
Composition leather with a basis of leather or leather fibre	m2	15.11.52	-	-	-



Saddlery and harness for any animal, of any material	thous. BGN	15.12.11	x	x	3 421
Luggage, handbags and the like, of leather, composition of leather, plastic sheeting, textile materials, vulcanised fibre or paperboard; travel sets for personal toilet, sewing or shoe or clothes cleaning	#	15.12.12	x	x	5 983
Watch straps (except metal), watch bands and watch bracelets and parts thereof	p/st	15.12.13	..	..	..
Other articles of leather or composition leather (including articles used in machinery or mechanical appliances or for other technical uses) n.e.c.	#	15.12.19	x	x	1 274
Waterproof footwear, with outer soles and uppers of rubber or plastics, other than footwear incorporating a protective metal toe-cap	pa	15.20.11	480 785	517 283	6 769
Footwear with outer soles and uppers of rubber or plastics, other than waterproof or sports footwear	pa	15.20.12	..	27 522	695
Footwear with uppers of leather, other than sports footwear, footwear incorporating a protective metal toe-cap and miscellaneous special footwear	pa	15.20.13	2 433 527	738 588	33 865
Footwear with uppers of textile materials, other than sports footwear	pa	15.20.14	1 221 401	656 346	5 528
Tennis shoes, basketball shoes, gym shoes, training shoes and the like	pa	15.20.21	..	..	..
Other sports footwear, except snow-ski footwear and skating boots	pa	15.20.29	71 600	8 435	426
Footwear incorporating a protective metal toe-cap	pa	15.20.31	..	..	..
Wooden footwear, miscellaneous special footwear and other footwear n.e.c.	pa	15.20.32	..	..	..
Parts of footwear of leather; removable insoles, heel cushions and similar articles; gaiters, leggings and similar articles, and parts thereof	thous. BGN	15.20.40	x	x	..
Wood, sawn or chipped lengthwise, sliced or peeled, of a thickness > 6 mm, of coniferous wood	m3	16.10.11	636 749	616 688	143 843
Wood, sawn or chipped lengthwise, sliced or peeled, of a thickness > 6 mm, of non-coniferous wood	#	16.10.12	x	x	29 214
Railway or tramway sleepers (cross-ties) of wood, not impregnated	m3	16.10.13	..	..	..
Wood, continuously shaped along any of its edges or faces (including strips and friezes for parquet flooring, not assembled, and beadings and mouldings), of coniferous wood	kg	16.10.21	..	..	..
Wood, continuously shaped along any of its edges or faces (including strips and friezes for parquet flooring, not assembled, and beadings and mouldings) of bamboo	kg	16.10.22	-	-	-

Wood, continuously shaped along any of its edges or faces (including strips and friezes for parquet flooring, not assembled, and beadings and mouldings), of other wood	kg	16.10.23	2 717 455	2 607 123	6 343
Wood wool; wood flour	kg	16.10.24	11 160 168	6 009 556	1 296
Wood in chips or particles	kg	16.10.25	55 554 652	54 564 426	5 670
Wood in the rough, treated with paint, stains, creosote or other preservatives	m3	16.10.31	534	441	214
Railway or tramway sleepers (cross-ties) of wood, impregnated	m3	16.10.32	..	..	..
Other wood in the rough, including split poles and pickets	m3	16.10.39	92 919	90 159	15 301
Drying, impregnation or chemical treatment services of timber	thous. BGN	16.10.91	x	x	362
Plywood, veneered panels and similar laminated wood, of bamboo	m3	16.21.11	-	-	-
Particle board	m3	16.21.12	717 215	376 347	117 072
Oriented strand board (OSB)	m3	16.21.13	..	..	..
Other board of wood or other ligneous materials	m3	16.21.14	..	..	..
Fibreboard of wood or other ligneous materials	m2	16.21.15	18 611 317	..	..
Other plywood, veneered panels and similar laminated wood, of coniferous wood	m3	16.21.16	..	..	..
Other plywood, veneered panels and similar laminated wood, with at least outer ply of tropical wood	m3	16.21.17	-	-	-
Other plywood, veneered panels and similar laminated wood, of other wood	m3	16.21.18	36 079	44 756	49 832
Densified wood, in blocks, plates, strips or profile shapes	m3	16.21.21	12 074	11 228	11 246
Veneer sheets and sheets for plywood and other wood sawn lengthwise, sliced or peeled, of a thickness ≤ 6 mm of coniferous wood	m3	16.21.22	-	..	..
Veneer sheets and sheets for plywood and other wood, sawn lengthwise, sliced or peeled, of a thickness ≤ 6 mm, of tropical wood	m3	16.21.23	-	-	-
Veneer sheets and sheets for plywood and other wood sawn lengthwise, sliced or peeled, of a thickness ≤ 6 mm of other wood	m3	16.21.24	17 642	12 933	26 586
Assembled parquet panels	m2	16.22.10	504 708	386 558	..
Windows, French windows and their frames, doors and their frames and thresholds, of wood	p/st	16.23.11	161 162	161 026	36 938
Shuttering for concrete constructional work, shingles and shakes, of wood	kg	16.23.12	..	..	..
Builders' joinery and carpentry, of wood, n.e.c.	kg	16.23.19	11 575 296	11 640 699	7 162
Prefabricated wooden buildings	thous. BGN	16.23.20	x	x	4 852
Pallets, box pallets and other load boards of wood	p/st	16.24.11	9 773 739	8 925 333	105 787
Barrels and coopers' products of wood	kg	16.24.12	109 858	110 358	862
Other wooden containers and parts thereof	kg	16.24.13	19 793 075	18 588 398	29 260
Tools, tool bodies, tool handles, broom or brush bodies and handles, blocks for the manufacture of smoking pipes, boot or shoe lasts and trees, of wood	kg	16.29.11	..	..	620

Tableware and kitchenware, of wood	kg	16.29.12	..	..	..
Wood marquetry and inlaid wood, cases for jewellery or cutlery and similar articles of wood, statuettes and other ornaments, of wood	thous. BGN	16.29.13	x	x	2 736
Wooden frames for paintings, photographs, mirrors or similar objects and other articles of wood	#	16.29.14	x	x	60 600
Pellets and briquettes, of pressed and agglomerated wood and vegetable waste and scrap	kg	16.29.15	215 690 639	206 951 111	62 212
Natural cork, debarked or roughly squared or in blocks, plates, sheets or strip; crushed, granulated or ground cork; waste cork	kg	16.29.21	-	-	-
Articles of natural cork	kg	16.29.22	..	..	..
Blocks, plates, sheets and strips, tiles of any shape, solid cylinders, of agglomerated cork	kg	16.29.23	..	..	..
Agglomerated cork; articles of agglomerated cork n.e.c.	kg	16.29.24	-	-	-
Manufactures of straw, of esparto or of other plaiting materials; basket ware and wickerwork	kg	16.29.25	-	-	-
Chemical wood pulp, dissolving grades	kg 90% sdt	17.11.11	-	-	-
Chemical wood pulp, soda or sulphate, other than dissolving grades	kg 90% sdt	17.11.12	..	..	..
Chemical wood pulp, sulphite, other than dissolving grades	kg 90% sdt	17.11.13	-	-	-
Mechanical wood pulp; semi-chemical wood pulp; pulps of fibrous cellulosic material other than wood	kg 90% sdt	17.11.14	..	..	..
Newsprint, in rolls or sheets	kg	17.12.11	-	-	-
Handmade paper and paperboard	kg	17.12.12	-	-	-
Paper and paperboard used as a base for photo-sensitive, heat-sensitive or electro-sensitive paper; carbonising base paper; wallpaper base	kg	17.12.13	..	-	-
Other paper and paperboard for graphic purposes	kg	17.12.14	..	..	..
Toilet or facial tissue stock, towel or napkin stock, cellulose wadding and webs of cellulose fibres	kg	17.12.20	30 883 481	26 806 038	42 661
Kraftliner, unbleached, uncoated	kg	17.12.31	..	..	..
White top kraftliner; coated kraftliner	kg	17.12.32	..	..	..
Semi chemical fluting	kg	17.12.33	-	-	-
Recycled fluting and other fluting	kg	17.12.34	..	35 259 239	21 504
Testliner (recycled liner board)	kg	17.12.35	..	..	..
Uncoated kraft paper; sack kraft paper, creped or crinkled	kg	17.12.41	..	..	..
Sulphite wrapping paper and other uncoated paper (other than that of a kind used for writing, printing or other graphic purposes)	kg	17.12.42	..	..	..
Filter paper and paperboard; felt paper	kg	17.12.43	-	-	-
Cigarette paper not cut to size or in form of booklets or tubes	kg	17.12.44	-	-	-
Uncoated, inside grey paperboard	kg	17.12.51	-	-	-
Other uncoated paperboard	kg	17.12.59	-	-	-

Vegetable parchment, greaseproof papers, tracing papers and glassine and other glazed transparent or translucent papers	kg	17.12.60	-	-	-
Composite paper and paperboard, not surface-coated or impregnated	kg	17.12.71	-	-	-
Paper and paperboard, creped, crinkled, embossed or perforated	kg	17.12.72	-	-	-
Paper and paperboard of a kind used for writing, printing or other graphic purposes, coated with kaolin or with other inorganic substances	kg	17.12.73	..	..	..
Kraft paper (other than that of a kind used for writing, printing or other graphic purposes), coated with kaolin or with other inorganic substances	kg	17.12.74	-	-	-
Kraft paperboard (other than that of a kind used for writing, printing or other graphic purposes), coated with kaolin or with other inorganic substances	kg	17.12.75	-	-	-
Carbon paper, self-copy paper and other copying or transfer paper, in rolls or sheets	kg	17.12.76	..	..	..
Paper, paperboard, cellulose wadding and webs of cellulose fibres, coated, impregnated, covered, surface coloured or printed, in rolls or sheets	kg	17.12.77	..	..	..
Inside grey paperboard (other than that of a kind used for writing, printing or other graphic purposes), coated with kaolin or with other inorganic substances	kg	17.12.78	-	-	-
Other paperboard (other than that of a kind used for writing, printing or other graphic purposes), coated with kaolin or with other inorganic substances	kg	17.12.79	..	..	..
Corrugated board, in rolls or sheets	kg	17.21.11	157 737 553	36 941 825	46 161
Sacks and bags of paper	kg	17.21.12	10 755 768	10 104 317	42 929
Cartons, boxes and cases, of corrugated board or corrugated paperboard	kg	17.21.13	173 288 460	164 537 160	278 615
Folding cartons, boxes and cases, of non-corrugated paper or paperboard	kg	17.21.14	25 674 855	25 171 374	96 799
Box files, letter trays, storage boxes and similar articles of a kind used in offices, shops or the like, of paper	kg	17.21.15	2 012 374	2 337 733	10 772
Toilet paper, handkerchiefs, cleansing or facial tissues and towels, tablecloths and serviettes, of paper pulp, paper, cellulose wadding or webs of cellulose fibres	kg	17.22.11	44 517 066	44 021 981	136 857
Sanitary towels and tampons, napkins and napkin liners for babies and similar sanitary articles and articles of apparel and clothing accessories, of paper pulp, paper, cellulose wadding or webs of cellulose fibres	kg	17.22.12	19 823 829	16 279 290	172 656
Trays, dishes, plates and cups and the like, of paper or paperboard	kg	17.22.13	3 115 101	2 614 265	15 248
Carbon paper, self-copy paper and other copying or transfer papers; duplicator stencil and offset plates of paper	kg	17.23.11	949 600	927 975	3 467

Envelopes, letter cards, plain postcards and correspondence cards of paper or paperboard; boxes, pouches, wallets and writing compendiums of paper or paperboard, containing paper stationery	kg	17.23.12	291 900	..	..
Registers, account books, binders, forms and other articles of stationery, of paper or paperboard	#	17.23.13	x	x	18 731
Other paper and paperboard, of a kind used for writing or printing or other graphic purposes, printed, embossed or perforated	kg	17.23.14	710 948	705 399	2 377
Wallpaper and similar wall coverings; window transparencies of paper	kg	17.24.11	220 814	216 191	974
Textile wall coverings	kg	17.24.12	-	-	-
Labels of paper or paperboard	kg	17.29.11	..	..	..
Filter blocks, slabs and plates, of paper pulp	kg	17.29.12	..	..	..
Cigarette paper; bobbins, spools, cops and similar supports; filter paper and paperboard; other articles of paper and paperboard n.e.c.	kg	17.29.19	20 429 713	14 688 582	36 026
Newspaper printing services	thous. BGN	18.11.10	x	x	15 020
Printing services for postage stamps, taxation stamps, documents of titles, smart cards, cheques and other security papers and the like	thous. BGN	18.12.11	x	x	38 623
Printing services for advertising catalogues, prospects, posters and other printed advertising	thous. BGN	18.12.12	x	x	75 600
Printing services for journals and periodicals, appearing less than four times a week	thous. BGN	18.12.13	x	x	7 222
Printing services for books, maps, hydrographic or similar charts of all kinds, pictures, designs and photographs, postcards	thous. BGN	18.12.14	x	x	90 672
Printing services directly onto materials other than paper	thous. BGN	18.12.16	x	x	62 124
Other printing services n.e.c.	thous. BGN	18.12.19	x	x	288 695
Pre-press services	thous. BGN	18.13.10	x	x	13 978
Printing plates or cylinders and other impressed media for use in printing	thous. BGN	18.13.20	x	x	6 955
Ancillary services related to printing	thous. BGN	18.13.30	x	x	2 051
Binding and related services	thous. BGN	18.14.10	x	x	9 014
Reproduction services of sound recording	thous. BGN	18.20.10	x	x	..
Reproduction services of video recording	thous. BGN	18.20.20	x	x	..
Reproduction services of software	thous. BGN	18.20.30	x	x	-
Pitch and pitch coke	kg	19.10.30	-	-	-

Hydrogen, argon, rare gases, nitrogen and oxygen	m3	20.11.11	..	..	..
Carbon dioxide and other inorganic oxygen compounds of non-metals	kg	20.11.12	..	..	..
Liquid air and compressed air	kg	20.11.13	..	..	..
Zinc oxide and peroxide; titanium oxides	#	20.12.11	x	x	-
Chromium, manganese, lead and copper oxides and hydroxides	kg	20.12.12	-	-	-
Other metal oxides, peroxides and hydroxides	kg	20.12.19	..	..	..
Synthetic organic colouring matter and preparations based thereon; synthetic organic products of a kind used as fluorescent brightening agents or as luminophores; colour lakes and preparations based thereon	kg	20.12.21	162 464	173 107	1 444
Tanning extracts of vegetable origin; tannins and their salts, ethers, esters and other derivatives; colouring matter of vegetable or animal origin	kg	20.12.22	..	..	..
Synthetic organic tanning substances; inorganic tanning substances; tanning preparations; enzymatic preparations for pre-tanning	kg	20.12.23	-	-	-
Colouring matter n.e.c.; inorganic products of a kind used as luminophores	#	20.12.24	x	x	-
Metalloids	kg	20.13.21	..	..	..
Halogen or sulphur compounds of non-metals	kg	20.13.22	-	-	-
Alkali or alkaline-earth metals; rare earth metals, scandium and yttrium; mercury	kg	20.13.23	-	-	-
Hydrogen chloride; oleum; diphosphorus pentoxide; other inorganic acids; silicon and sulphur dioxide	#	20.13.24	x	x	61 910
Oxides, hydroxides and peroxides; hydrazine and hydroxylamine and their inorganic salts	#	20.13.25	x	x	-
Metallic halogenates	#	20.13.31	x	x	..
Hypochlorites, chlorates and perchlorates	kg	20.13.32	..	..	..
Sulphides, sulphites and sulphates	kg	20.13.41	10 016 933	..	..
Phosphinates, phosphonates, phosphates, polyphosphates and nitrates (except of potassium)	#	20.13.42	x	x	24 596
Carbonates	#	20.13.43	x	x	..
Salts of oxometallic or peroxometallic acids; colloidal precious metals	kg	20.13.51	1 236	1 238	..
Inorganic compounds n.e.c., including distilled water; amalgams other than amalgams of precious metals	kg	20.13.52	..	590 890	..
Isotopes n.e.c. and compounds thereof (including heavy water)	kg	20.13.61	-	-	-
Cyanides, cyanide oxides and complex cyanides; fulminates, cyanates and thiocyanates; silicates; borates; perborates; other salts of inorganic acids or peroxyacids	#	20.13.62	x	x	1 284
Hydrogen peroxide	kg H2O2	20.13.63	-	-	-
Phosphides, carbides, hydrides, nitrides, azides, silicides and borides	kg	20.13.64	..	..	..
Compounds of rare earth metals, of yttrium or of scandium	kg	20.13.65	-	-	-

Sulphur, except sublimed sulphur, precipitated sulphur and colloidal sulphur	kg	20.13.66	..	..	..
Roasted iron pyrites	kg	20.13.67	-	-	-
Piezo-electric quartz; other synthetic or reconstructed precious or semi-precious stones, unworked	g	20.13.68	-	-	-
Acyclic hydrocarbons	kg	20.14.11	..	..	..
Cyclic hydrocarbons	kg	20.14.12	-	-	-
Chlorinated derivatives of acyclic hydrocarbons	kg	20.14.13	-	-	-
Sulphonated, nitrated or nitrosated derivatives of hydrocarbons, whether or not halogenated	kg	20.14.14	-	-	-
Other derivatives of hydrocarbons	kg	20.14.19	-	-	-
Industrial fatty alcohols	kg	20.14.21	-	-	-
Monohydric alcohols	kg	20.14.22	..	..	..
Diols, polyalcohols, cyclical alcohols and derivatives thereof	kg	20.14.23	14 622 180	..	..
Phenols; phenol-alcohols and derivatives of phenols	kg	20.14.24	..	..	..
Industrial monocarboxylic fatty acids; acid oils from refining	kg	20.14.31	5 178 840	5 315 050	4 511
Saturated acyclic monocarboxylic acids and their derivatives	kg	20.14.32	..	..	..
Unsaturated monocarboxylic, cyclanic, cyclenic or cycloterpenic acyclic polycarboxylic acids and their derivatives	kg	20.14.33	5 209 320	4 418 570	3 700
Aromatic polycarboxylic and carboxylic acids with additional oxygen functions; and their derivatives, except salicylic acid and its salts	kg	20.14.34	..	..	..
Amine function compounds	kg	20.14.41	..	..	..
Oxygen-function amino-compounds, except lysine and glutamic acid	kg	20.14.42	..	..	..
Ureines; carboxymide-function compounds, nitrile function compounds; derivatives thereof	kg	20.14.43	-	-	-
Compounds with other nitrogen functions	kg	20.14.44	..	..	..
Organo-sulphur and other organo-inorganic compounds	kg	20.14.51	..	..	..
Heterocyclic compounds n.e.c.; nucleic acids and their salts	kg	20.14.52	-	-	-
Phosphoric esters and their salts or esters of other inorganic acids (excluding esters of hydrogen halides) and their salts; and their halogenated, sulphonated, nitrated or nitrosated derivatives	kg	20.14.53	-	-	-
Aldehyde function compounds	kg	20.14.61	..	..	..
Ketone and quinone function compounds	kg	20.14.62	..	..	..
Ethers, organic peroxides, epoxides, acetals and hemiacetals and their derivatives	kg	20.14.63	..	..	..
Enzymes and other organic compounds n.e.c.	kg	20.14.64	..	..	..
Derivates of vegetable or resin products	kg	20.14.71	-	-	-
Wood charcoal	kg	20.14.72	2 297 545	2 137 200	2 500
Oils and other products of the distillation of high temperature coal tar, and similar products	kg	20.14.73	-	-	-
Undenatured ethyl alcohol of alcoholic strength by volume of $\geq$ 80%	l	20.14.74	80 572 919	55 228 007	90 430
Ethyl alcohol and other spirits, denatured, of any strength	l	20.14.75	59 375 193	62 296 494	107 743

Residual lyes from the manufacture of cellulose pulp, excluding tall oil	kg	20.14.80	-	-	-
Nitric acid; sulphonitric acids; ammonia	kg N	20.15.10	..	..	..
Ammonium chloride; nitrites	#	20.15.20	x	x	..
Urea	kg N	20.15.31	..	..	..
Ammonium sulphate	kg N	20.15.32	-	-	-
Ammonium nitrate	kg N	20.15.33	..	..	..
Double salts and mixtures of calcium nitrate and ammonium nitrate	kg N	20.15.34	-	-	-
Mixtures of ammonium nitrate with calcium carbonate or other inorganic non-fertilising substances	kg N	20.15.35	-	-	-
Urea and ammonium nitrate solutions	kg N	20.15.36	..	..	..
Other nitrogenous fertilisers and mixtures n.e.c.	kg N	20.15.39	..	..	..
Superphosphates	kg P2O5	20.15.41	..	..	..
Other phosphatic fertilisers	kg P2O5	20.15.49	-	-	-
Potassium chloride (muriate of potash)	kg	20.15.51	-	-	-
Potassium sulphate (sulphate of potash)	kg K2O	20.15.52	-	-	-
Other potassic fertilisers	kg K2O	20.15.59	-	-	-
Sodium nitrate	kg	20.15.60	..	..	..
Fertilisers containing three nutrients: nitrogen, phosphorus and potassium	kg	20.15.71	..	..	..
Diammonium hydrogenorthophosphate (diammonium phosphate)	kg	20.15.72	-	..	..
Monoammonium phosphate	kg	20.15.73	..	..	..
Fertilisers containing two nutrients: nitrogen and phosphorus	kg	20.15.74	..	..	..
Fertilisers containing two nutrients: phosphorus and potassium	kg	20.15.75	-	-	-
Potassium nitrates	kg N	20.15.76	-	-	-
Mineral or chemical fertilisers containing at least two nutrients (nitrogen, phosphate, potash) n.e.c.	kg	20.15.79	492 449	503 449	4 548
Animal or vegetable fertilisers n.e.c.	kg	20.15.80	72 248	71 678	1 384
Polymers of ethylene, in primary forms	kg	20.16.10	..	..	..
Polymers of styrene, in primary forms	kg	20.16.20	..	..	..
Polymers of vinyl chloride or of other halogenated olefins, in primary forms	kg	20.16.30	..	..	..
Polyacetals, other polyethers and epoxide resins, in primary forms; polycarbonates, alkyd resins, polyallyl esters and other polyesters, in primary forms	kg	20.16.40	19 005 612	17 616 395	39 743
Polymers of propylene or of other olefins, in primary forms	kg	20.16.51	103 995 507	97 597 378	152 540
Polymers of vinyl acetate or of other vinyl esters and other vinyl polymers, in primary forms	kg	20.16.52	..	..	..
Acrylic polymers, in primary forms	kg	20.16.53	..	..	..
Polyamides, in primary forms	kg	20.16.54	-	-	-
Urea resins, thiourea resins and melamine resins, in primary forms	kg	20.16.55	..	..	..
Other amino-resins, phenolic resins and polyurethanes, in primary forms	kg	20.16.56	..	..	..



Silicones, in primary forms	kg	20.16.57	..	..	..
Other plastics, in primary forms, n.e.c.	kg	20.16.59	..	..	..
Synthetic rubber in primary forms	kg	20.17.10	-	-	-
Insecticides	kg act. Subst.	20.20.11	..	2 022 850	29 724
Herbicides	kg act. Subst.	20.20.12	..	..	..
Anti-sprouting products and plant growth regulators	kg act. Subst.	20.20.13	-	-	-
Disinfectants	kg act. Subst.	20.20.14	..	..	..
Fungicides	kg act. Subst.	20.20.15	..	..	..
Hazardous pesticides	kg act. Subst.	20.20.16	-	-	-
Other pesticides and other agrochemical products	kg act. Subst.	20.20.19	660 379	662 255	2 976
Paints and varnishes based on acrylic or vinyl polymers, in an aqueous medium	kg	20.30.11	28 828 555	28 739 539	47 127
Paints and varnishes based on polyesters, acrylic or vinyl polymers, in a non-aqueous medium; solutions	kg	20.30.12	15 072 155	15 102 086	..
Prepared pigments, opacifiers and colours, vitrifiable enamels and glazes, engobes, liquid lustres and the like; glass frit	kg	20.30.21	-	-	-
Other paints and varnishes; prepared driers	kg	20.30.22	621 788 259	556 603 914	144 728
Artists', students' or signboard painters' colours, modifying tints, amusement colours and the like	kg	20.30.23	-	-	-
Printing ink	kg	20.30.24	399 535	399 528	2 616
Glycerol	kg	20.41.10	-	-	-
Organic surface-active agents, except soap	kg	20.41.20	..	..	..
Soap and organic surface-active products and preparations for use as soap; paper, wadding, felt and non-wovens, impregnated, coated or covered with soap or detergent	kg	20.41.31	10 306 557	9 769 145	16 172
Detergents and washing preparations	kg	20.41.32	105 641 972	100 195 804	164 184
Preparations for perfuming or deodorising rooms	thous. BGN	20.41.41	x	x	144 617
Artificial waxes and prepared waxes	kg	20.41.42	..	..	..
Polishes and creams, for footwear, furniture, floors, coachwork, glass or metal	kg	20.41.43	1 885 329	1 645 086	5 642
Scouring pastes and powders and other scouring preparations	kg	20.41.44	762 267	758 861	1 622
Perfumes and toilet waters	l	20.42.11	..	..	..
Lip and eye make-up preparations	thous. BGN	20.42.12	x	x	..
Manicure or pedicure preparations	thous. BGN	20.42.13	x	x	6 281

Powders for cosmetic or toilet use	thous. BGN	20.42.14	x	x	178
Beauty, make-up or skin-care preparations (including sun tan preparations) n.e.c.	thous. BGN	20.42.15	x	x	103 057
Shampoos, hair lacquers, preparations for permanent waving or straightening	#	20.42.16	x	x	17 427
Lotions and other preparations for use on the hair n.e.c.	kg	20.42.17	6 568 542	6 439 511	53 787
Preparations for oral or dental hygiene (including denture fixative pastes and powders), dental floss	#	20.42.18	x	x	59 211
Shaving preparations; personal deodorants and antiperspirants; bath preparations; other perfumery, cosmetic or toilet preparations n.e.c.	kg	20.42.19	..	..	..
Propellant powders and prepared explosives	kg	20.51.11	19 311 956	17 669 570	24 415
Safety fuses; detonating fuses; caps; igniters; electric detonators	#	20.51.12	x	x	..
Fireworks	kg	20.51.13	-	-	-
Signalling flares, rain rockets, fog signals and other pyrotechnic articles, excluding fireworks	kg	20.51.14	..	..	..
Matches	kg	20.51.20	..	..	..
Glues	kg	20.52.10	4 303 563	4 281 001	15 519
Essential oils	kg	20.53.10	..	..	..
Photographic plates and film and instant print film, sensitised, unexposed; photographic paper	m2	20.59.11	-	-	-
Sensitising emulsions for photographic uses; chemical preparations for photographic uses n.e.c.	kg	20.59.12	-	-	-
Chemically modified animal or vegetable fats and oils; inedible mixtures of animal or vegetable fats or oils	kg	20.59.20	3 773 863	3 395 863	2 553
Writing or drawing ink and other inks	kg	20.59.30	-	..	..
Lubricating preparations	kg	20.59.41	1 102 853	1 139 868	3 656
Anti-knock preparations; additives for mineral oils and similar products	kg	20.59.42	..	..	..
Hydraulic brake fluids; anti-freezing preparations and prepared de-icing fluids	kg	20.59.43	10 465 391	10 720 971	17 807
Peptones, other protein substances and their derivatives n.e.c.; hide powder	kg	20.59.51	..	..	..
Modelling pastes; dental wax and other preparations for use in dentistry with a basis of plaster; preparations and charges for fire extinguishers; prepared culture media for development of micro-organisms; composite diagnostic or laboratory reagents n.e.c.	kg	20.59.52	732 580	679 652	..
Chemical elements in disk form and compounds doped for use in electronics	kg	20.59.53	-	-	-
Activated carbon	kg	20.59.54	-	-	-
Finishing agents, dye carriers to accelerate the dyeing or fixing of dye-stuffs and similar products	kg	20.59.55	-	-	-

Pickling preparations; fluxes; prepared rubber accelerators; compound plasticisers and stabilisers for rubber or plastics; catalytic preparations n.e.c.; mixed alkylbenzenes and mixed alkyl naphthalenes n.e.c.	kg	20.59.56	..	..	..
Prepared binders for foundry moulds or cores; chemical products	kg	20.59.57	..	..	..
Biodiesel	kg	20.59.58	137 125 545	..	..
Miscellaneous other chemical products n.e.c.	#	20.59.59	x	x	4 603
Gelatines and gelatine derivatives, including milk albumins	kg	20.59.60	-	-	-
Synthetic staple and tow, not carded or combed	kg	20.60.11	..	..	..
Polyamide and polyester high tenacity filament yarn	kg	20.60.12	-	-	-
Other synthetic filament yarn, single	kg	20.60.13	7 550 455	7 630 750	59 279
Synthetic monofilament; strip and the like, of synthetic textile materials	kg	20.60.14	..	..	..
Artificial staple and tow, not carded or combed	kg	20.60.21	-	-	-
Viscose high tenacity filament yarn	kg	20.60.22	-	-	-
Other artificial filament yarn, single	kg	20.60.23	..	..	..
Artificial monofilament; strip and the like of artificial textile materials	kg	20.60.24	-	-	-
Salicylic acid, O-acetylsalicylic acid, their salts and esters	kg	21.10.10	-	-	-
Lysine, glutamic acid and their salts; quarternary ammonium salts and hydroxides; phosphoaminolipids; amides and their derivatives and salts thereof	kg	21.10.20	..	..	..
Lactones n.e.c., heterocyclic compounds with nitrogen heteroatom(s) only, containing an unfused pyrazole ring, a pyrimidine ring, a piperazine ring, an unfused triazine ring or a phenothiazine ring system not further fused; hydantoin and its derivatives	kg	21.10.31	-	-	-
Sulphonamides	kg	21.10.32	-	-	-
Sugars, chemically pure, n.e.c.; sugar ethers and esters and their salts n.e.c.	kg	21.10.40	..	..	..
Provitamins, vitamins and their derivatives	thous. BGN	21.10.51	x	x	..
Hormones, derivatives thereof; other steroids, used primarily as hormones	g	21.10.52	..	..	..
Glycosides, vegetable alkaloids, their salts, ethers, esters and other derivatives	thous. BGN	21.10.53	x	x	..
Antibiotics	kg	21.10.54	..	..	..
Glands and other organs; extracts thereof and other human or animal substances n.e.c.	thous. BGN	21.10.60	x	x	3 627
Medicaments, containing penicillins or other antibiotics	kg	21.20.11	..	..	..
Medicaments, containing hormones, but not antibiotics	kg	21.20.12	..	..	..
Medicaments, containing alkaloids or derivatives thereof, but not hormones or antibiotics	kg	21.20.13	28 156 514	24 608 841	667 483
Antisera and vaccines	kg	21.20.21	..	..	..
Chemical contraceptive preparations based on hormones or spermicides	thous. BGN	21.20.22	x	x	-

Diagnostic reagents and other pharmaceutical preparations	kg	21.20.23	..	..	..
Adhesive dressings, catgut and similar materials; first-aid boxes	#	21.20.24	x	x	21 373
New pneumatic tyres, of rubber, of a kind used on motor cars	p/st	22.11.11	-	-	-
New pneumatic tyres, of rubber, of a kind used on motorcycles or bicycles	p/st	22.11.12	-	-	-
New pneumatic tyres, of rubber, of a kind used on buses, lorries or aircraft	p/st	22.11.13	-	-	-
Agrarian tyres; other new pneumatic tyres, of rubber	p/st	22.11.14	-	-	-
Inner tubes, solid or cushion tyres, interchangeable tyre treads and tyre flaps, of rubber	#	22.11.15	x	x	..
Camel-back strips for retreading rubber tyres	kg	22.11.16	-	-	-
Retreaded pneumatic tyres, of rubber	p/st	22.11.20	..	..	..
Reclaimed rubber in primary forms or in plates, sheets or strip	kg	22.19.10	..	..	4 406
Unvulcanised rubber and articles thereof; vulcanised rubber, other than hard rubber, in thread, cord, plates, sheets, strip, rods and profile shapes	kg	22.19.20	6 646 455	5 777 570	30 901
Tubes, pipes and hoses, of vulcanised rubber other than hard rubber	kg	22.19.30	28 331 886	22 163 289	576 515
Conveyor or transmission belts or belting, of vulcanised rubber	kg	22.19.40	..	..	..
Rubberised textile fabrics, except tyre cord fabric	kg	22.19.50	..	..	..
Articles of apparel and clothing accessories, of vulcanised rubber other than hard rubber	kg	22.19.60	..	..	..
Hygienic or pharmaceutical articles (including teats), of vulcanised rubber other than hard rubber	#	22.19.71	x	x	..
Floor coverings and mats, of vulcanised rubber other than cellular	kg	22.19.72	..	..	..
Other articles of vulcanised rubber n.e.c.; hard rubber in all forms and articles thereof; floor coverings and mats, of vulcanised cellular rubber	#	22.19.73	x	x	99 877
Monofilament > 1 mm, rods, sticks and profile shapes, of plastics	kg	22.21.10	44 739 189	44 021 647	136 153
Artificial guts, of hardened proteins or of cellulosic materials; tubes, pipes and hoses, rigid, of plastics	kg	22.21.21	18 124 270	17 695 714	61 549
Other tubes, pipes, hoses and fittings thereof, of plastics	kg	22.21.29	..	..	..
Plates, sheets, film, foil and strip, of plastics, not supported or similarly combined with other materials	kg	22.21.30	164 858 042	153 570 750	506 810
Other plates, sheets, film, foil and strip, of plastics, cellular	kg	22.21.41	..	..	..
Other plates, sheets, film, foil and strip, of plastics, non-cellular	kg	22.21.42	1 400 876	1 229 093	5 696
Sacks and bags (including cones), of polymers of ethylene	kg	22.22.11	85 230 005	82 237 578	235 685
Sacks and bags (including cones), of other plastics than polymers of ethylene	kg	22.22.12	8 406 567	7 990 776	43 676
Boxes, cases, crates and similar articles of plastics	kg	22.22.13	13 442 320	12 522 699	49 384
Carboys, bottles, flasks and similar articles of plastics	p/st	22.22.14	3 106 035 965	2 780 488 645	217 113
Other plastic packing goods	kg	22.22.19	..	..	..
Floor, wall or ceiling coverings of plastics, in rolls or in the form of tiles	m2	22.23.11	49 548	..	885

Baths, wash-basins, lavatory pans and covers, flushing cisterns and similar sanitary ware, of plastics	p/st	22.23.12	8 071 457	7 682 484	144 994
Reservoirs, tanks, vats and similar containers, capacity > 300 l, of plastics	kg	22.23.13	578 959	575 705	2 830
Doors, windows and frames and thresholds for doors; shutters, blinds and similar articles and parts thereof, of plastics	#	22.23.14	x	x	311 503
Linoleum and hard non-plastic surface floor coverings, i.e. resilient floor coverings, such as vinyl, linoleum etc.	m2	22.23.15	-	-	-
Builders' ware of plastics n.e.c.	kg	22.23.19	4 833 238	..	..
Prefabricated buildings of plastics	thous. BGN	22.23.20	x	x	..
Apparel and clothing accessories (including gloves), of plastics	kg	22.29.10	217 272	212 449	3 938
Self-adhesive plates, sheets, film, foil, tapes, strip and other flat shapes of plastics, in rolls of width ≤ 20 cm	kg	22.29.21	1 445 450	..	..
Other self-adhesive plates, sheets, film, foil, tapes, strip and other flat shapes of plastics	kg	22.29.22	412 108	275 589	1 640
Tableware, kitchenware, other household articles and toilet articles, of plastics	kg	22.29.23	9 508 715	9 399 567	51 080
Parts n.e.c. for lamps and lighting fitting, illuminated name-plates and the like, of plastics	thous. BGN	22.29.24	x	x	3 206
Office or school supplies of plastics	kg	22.29.25	..	..	..
Fittings for furniture, coachwork or the like, of plastics; statuettes and other ornamental articles, of plastics	kg	22.29.26	180 737	183 952	1 619
Other articles of plastics	#	22.29.29	x	x	..
Manufacturing services of other plastic products	thous. BGN	22.29.91	x	x	135 755
Glass cast, rolled, drawn or blown, in sheets, but not otherwise worked	#	23.11.11	x	x	-
Float glass and surface ground or polished glass, in sheets, but not otherwise worked	m2	23.11.12	..	..	..
Glass in sheets, bent, edge-worked, engraved, drilled, enamelled or otherwise worked, but not framed or mounted	kg	23.12.11	..	..	..
Safety glass	#	23.12.12	x	x	117 485
Glass mirrors; multiple walled insulating units of glass	#	23.12.13	x	x	..
Bottles, jars, phials and other containers, of glass, except ampoules; stoppers, lids and other closures, of glass	#	23.13.11	x	x	326 389
Drinking glasses other than of glass-ceramics	p/st	23.13.12	..	..	..
Glassware of a kind used for table or kitchen purposes, for toilet, office, indoor decorations and the like	p/st	23.13.13	..	..	..
Glass inners for vacuum flasks or for other vacuum vessels	p/st	23.13.14	-	-	-
Slivers, rovings, yarn and chopped strands, of glass fibre	kg	23.14.11	-	-	-
Voiles, webs, mats, mattresses, boards and other articles of glass fibres, except woven fabrics	kg	23.14.12	109 983	105 738	..
Glass in the mass, in balls (except microspheres), rods or tubes, unworked	kg	23.19.11	-	-	-

Paving blocks, bricks, tiles and other articles of pressed or moulded glass; leaded lights and the like; multicellular or foam glass in blocks, plates or similar forms	kg	23.19.12	..	..	..
Glass envelopes, open, and glass parts thereof, for electric lamps, cathode-ray tubes or the like	kg	23.19.21	-	-	-
Glasses for clocks, watches or spectacles, not optically worked; hollow spheres and their segments, for the manufacture of such glasses	kg	23.19.22	-	-	-
Laboratory, hygienic or pharmaceutical glassware; ampoules of glass	#	23.19.23	x	x	..
Glass parts for lamps and lighting fittings, illuminated signs, name-plates and the like	thous. BGN	23.19.24	x	x	-
Electrical insulators of glass	kg	23.19.25	-	-	-
Articles of glass n.e.c.	#	23.19.26	x	x	5 130
Bricks, blocks, tiles and other ceramic goods of siliceous fossil meals or earth	kg	23.20.11	-	-	-
Refractory bricks, blocks, tiles and similar refractory ceramic constructional goods, other than of siliceous fossil meals or earths	kg	23.20.12	7 958 910	7 980 441	12 511
Refractory cements, mortars, concretes and similar compositions n.e.c.	kg	23.20.13	2 866 939	2 921 360	2 505
Unfired refractory products and other refractory ceramic goods	kg	23.20.14	..	..	4 576
Ceramic tiles and flags	m2	23.31.10	27 916 357	30 005 836	225 987
Non-refractory ceramic building bricks, flooring blocks, support or filler tiles and the like	#	23.32.11	x	x	42 494
Roofing tiles, chimney-pots, cowls, chimney liners, architectural ornaments and other ceramic constructional goods	#	23.32.12	x	x	-
Ceramic pipes, conduits, guttering and pipe fittings	kg	23.32.13	-	-	-
Tableware, kitchenware, other household articles and toilet articles, of porcelain or china	kg	23.41.11	..	..	..
Tableware, kitchenware, other household articles and toilet articles, other than of porcelain or china	kg	23.41.12	..	..	..
Statuettes and other ornamental ceramic articles	thous. BGN	23.41.13	x	x	-
Ceramic sanitary fixtures	p/st	23.42.10	..	..	..
Electrical insulators of ceramics; insulating fittings, for electrical machines, appliances or equipment, of ceramics	kg	23.43.10	..	..	..
Ceramic wares for laboratory, chemical or other technical uses, of porcelain or china	kg	23.44.11	-	-	-
Ceramic wares for laboratory, chemical or other technical uses, other than of porcelain or china	kg	23.44.12	..	..	..
Ceramic articles for use in agriculture and for the conveyance or packing of goods	kg	23.49.11	-	-	-
Other non-structural ceramic articles n.e.c.	kg	23.49.12	1 270 612	443 489	1 238
Cement clinkers	kg	23.51.11	1 999 876 980	..	..

Portland cement, aluminous cement, slag cement and similar hydraulic cements	kg	23.51.12	..	..	..
Quicklime, slaked lime and hydraulic lime	kg	23.52.10	1 278 104 381	290 873 934	37 361
Plaster	kg	23.52.20	434 861 510	..	..
Calcined or agglomerated dolomite	kg	23.52.30	-	-	-
Tiles, flagstones, bricks and similar articles, of cement, concrete or artificial stone	kg	23.61.11	840 732 992	854 642 896	114 331
Prefabricated structural components for building or civil engineering, of cement, concrete or artificial stone	kg	23.61.12	176 824 508	168 886 864	42 006
Prefabricated buildings of concrete	ton	23.61.20	..	..	..
Plaster products for construction purposes	m2	23.62.10	..	..	..
Ready-mixed concrete	kg	23.63.10	11 726 226 725	11 071 606 958	425 063
Mortars	kg	23.64.10	280 933 119	280 736 895	43 142
Boards, blocks and similar articles of vegetable fibre, straw or wood waste, agglomerated with mineral binders	m2	23.65.11	-	-	-
Articles of asbestos-cement, cellulose fibre-cement or the like	#	23.65.12	x	x	-
Other articles of plaster or compositions based on plaster n.e.c.	kg	23.69.11	10 780 924	9 594 519	3 013
Articles of cement, concrete or artificial stone n.e.c.	kg	23.69.19	153 155 249	153 740 951	29 482
Marble, travertine, alabaster, worked, and articles thereof (except setts, curbstones, flagstones, tiles, cubes and similar articles); artificially coloured granules, chippings and powder of marble, travertine and alabaster	kg	23.70.11	18 553 522	16 932 531	15 732
Other worked ornamental or building stone and articles thereof; other artificially coloured granules and powder of natural stone; articles of agglomerated slate	kg	23.70.12	51 077 426	47 966 793	38 374
Millstones, grindstones, grinding wheels and the like, without frameworks, for working stones, and parts thereof, of natural stone, of agglomerated natural or artificial abrasives, or of ceramics	kg	23.91.11	1 443 852	1 398 311	29 119
Abrasive powder or grain, on a base of textile fabric, paper or paperboard	m2	23.91.12	49 002	45 946	2 206
Fabricated asbestos fibres; mixtures with a basis of asbestos and magnesium carbonate; articles of such mixtures, or of asbestos; friction material for brakes, clutches and the like, not mounted	kg	23.99.11	..	..	..
Articles of asphalt or of similar material	#	23.99.12	x	x	..
Bituminous mixtures based on natural and artificial stone materials and bitumen, natural asphalt or related substances as a binder	kg	23.99.13	..	1 686 827 099	153 574
Artificial graphite; colloidal or semi-colloidal graphite; preparations based on graphite or other carbon in the form of semi-manufactures	kg	23.99.14	-	-	-
Artificial corundum	kg	23.99.15	-	-	-
Non-metallic mineral products n.e.c.	kg	23.99.19	407 781 044	345 408 683	48 148
Pig iron and spiegeleisen in pigs, blocks or other primary forms	kg	24.10.11	-	-	-
Ferro-alloys	kg	24.10.12	-	-	-

Ferrous products obtained by direct reduction of iron ore and other spongy ferrous products, in lumps, pellets or similar forms; iron having a minimum purity by weight of 99,94%, in lumps, pellets or similar forms	kg	24.10.13	-	-	-
Granules and powders, of pig iron and spiegeleisen, or steel	kg	24.10.14	..	..	..
Non alloy steel in ingots or other primary forms and semi-finished products of non alloy steel	kg	24.10.21	..	..	..
Stainless steel in ingots or other primary forms and semi-finished products of stainless steel	kg	24.10.22	-	-	-
Other alloy steel in ingots or other primary forms and semi-finished products of other alloy steel	kg	24.10.23	..	..	..
Flat rolled products of non alloy steel, not further worked than hot rolled, of a width of $\geq 600$ mm	kg	24.10.31	..	..	..
Flat rolled products of non alloy steel, not further worked than hot rolled, of a width of $< 600$ mm	kg	24.10.32	-	-	-
Flat rolled products of stainless steel, not further worked than hot rolled, of a width $\geq 600$ mm	kg	24.10.33	-	-	-
Flat rolled products of stainless steel, not further worked than hot rolled, of a width of $< 600$ mm	kg	24.10.34	-	-	-
Flat rolled products of other alloy steel, not further worked than hot rolled, of a width of $\geq 600$ mm	kg	24.10.35	..	..	..
Flat rolled products of other alloy steel, not further worked than hot rolled, of a width of $< 600$ mm (except products of silicon-electrical steel)	kg	24.10.36	-	-	-
Flat rolled products of non alloy steel, not further worked than cold rolled, of a width of $\geq 600$ mm	kg	24.10.41	..	..	..
Flat rolled products of stainless steel, not further worked than cold rolled, of a width of $\geq 600$ mm	kg	24.10.42	-	-	-
Flat rolled products of other-alloy steel, not further worked than cold rolled, of a width of $\geq 600$ mm	kg	24.10.43	-	-	-
Flat rolled products of non alloy steel, of a width of $\geq 600$ mm, clad, plated or coated	kg	24.10.51	..	..	..
Flat rolled products of other alloy steel, of a width of $\geq 600$ mm, clad, plated or coated	kg	24.10.52	-	-	-
Flat rolled products of silicon-electrical steel, of a width of $\geq 600$ mm	kg	24.10.53	-	-	-
Flat rolled products of silicon-electrical steel, of a width of $< 600$ mm	kg	24.10.54	-	-	-
Flat rolled products of high speed steel, of a width of $< 600$ mm	kg	24.10.55	-	-	-
Bars and rods, hot rolled, in irregularly wound coils, of non alloy steel	kg	24.10.61	-	-	-
Other bars and rods of steel, not further worked than forged, hot rolled, hot-drawn or extruded, but including those twisted after rolling	kg	24.10.62	..	..	..



Bars and rods, hot rolled, in irregularly wound coils, of stainless steel	kg	24.10.63	-	-	-
Other bars and rods of stainless steel, not further worked than forged, hot rolled, hot-drawn or extruded, but including those twisted after rolling	kg	24.10.64	-	-	-
Bars and rods, hot rolled, in irregularly wound coils, of other alloy steel	kg	24.10.65	-	-	-
Other bars and rods of other alloy steel, not further worked than forged, hot rolled, hot-drawn or extruded, but including those twisted after rolling	kg	24.10.66	..	..	..
Hollow drill bars and rods	kg	24.10.67	-	-	-
Open sections, not further worked than hot rolled, hot-drawn or extruded, of non alloy steel	kg	24.10.71	..	..	..
Open sections, not further worked than hot rolled, hot-drawn or extruded, of stainless steel	kg	24.10.72	-	-	-
Open sections, not further worked than hot rolled, hot-drawn or extruded, of other alloy steel	kg	24.10.73	-	-	-
Sheet piling, of steel and welded open sections of steel	kg	24.10.74	..	..	..
Railway or tramway track construction material of steel	kg	24.10.75	-	..	..
Line pipe of a kind used for oil or gas pipelines, seamless, of steel	kg	24.20.11	..	..	..
Casing, tubing and drill pipe, of a kind used in the drilling for oil or gas, seamless, of steel	kg	24.20.12	-	-	-
Other tubes and pipes, of circular cross section, of steel	kg	24.20.13	96 480	93 980	..
Tubes and pipes, of non-circular cross-section and hollow profiles, of steel	kg	24.20.14	-	-	-
Line pipe of a kind used for oil or gas pipelines, welded, of an external diameter of > 406,4 mm, of steel	kg	24.20.21	-	-	-
Casing and tubing of a kind used in drilling for oil or gas, welded, of an external diameter of > 406,4 mm, of steel	kg	24.20.22	-	-	-
Other tubes and pipes, of circular cross section, welded, of an external diameter of > 406,4 mm, of steel	kg	24.20.23	-	-	-
Other tubes and pipes, of circular cross section, such as open seam, riveted or similarly closed, of an external diameter of > 406,4 mm, of steel	kg	24.20.24	-	-	-
Line pipe of a kind used for oil or gas pipelines, welded, of an external diameter of ≤ 406,4 mm, of steel	kg	24.20.31	-	-	-
Casing and tubing, of a kind used in drilling for oil or gas, welded, of an external diameter of ≤ 406,4 mm, of steel	kg	24.20.32	-	-	-
Other tubes and pipes, of circular cross section, welded, of an external diameter of ≤ 406,4 mm, of steel	kg	24.20.33	108 391 235	96 061 463	120 882
Tubes and pipes, of non-circular cross-section, welded, of an external diameter of ≤ 406,4 mm, of steel	kg	24.20.34	306 289 329	..	..
Other tubes and pipes, such as open seam, riveted or similarly closed, of an external diameter of ≤ 406,4 mm, of steel	kg	24.20.35	..	..	..
Tube or pipe fittings of steel, not cast	kg	24.20.40	290 011	286 343	3 915

Cold drawn bars and solid profiles of non alloy steel	kg	24.31.10	27 192 443	26 093 539	34 124
Cold drawn bars and solid profiles of alloy steel, other than stainless steel	kg	24.31.20	..	..	..
Cold drawn bars and solid profiles of stainless steel	kg	24.31.30	-	-	-
Flat cold rolled steel products, uncoated, of a width of < 600 mm	kg	24.32.10	..	..	..
Flat cold rolled steel products, clad, plated or coated, of a width of < 600 mm	kg	24.32.20	..	..	..
Open sections cold formed or folded of non alloy steel	kg	24.33.11	..	..	..
Open sections cold formed or folded of stainless steel	kg	24.33.12	-	-	-
Ribbed sheets of non alloy steel	kg	24.33.20	249 115	249 115	564
Sandwich panels of coated steel sheet	kg	24.33.30	24 760 767	24 312 576	71 085
Cold drawn wire of non alloy steel	kg	24.34.11	49 531 852	44 435 310	57 650
Cold drawn wire of stainless steel	kg	24.34.12	-	-	-
Cold drawn wire of other alloy steel	kg	24.34.13	-	-	-
Silver, unwrought or in semi-manufactured forms, or in powder form	kg	24.41.10	..	..	..
Gold, unwrought or in semi-manufactured forms, or in powder form	kg	24.41.20	419	403	37 342
Platinum, unwrought or in semi-manufactured forms, or in powder form	kg	24.41.30	-	-	-
Base metals or silver, clad with gold, not further worked than semi-manufactured	kg	24.41.40	-	..	..
Base metals clad with silver and base metals, silver or gold clad with platinum, not further worked than semi-manufactured	kg	24.41.50	..	..	..
Aluminium, unwrought	kg	24.42.11	..	..	..
Aluminium oxide, excluding artificial corundum	kg	24.42.12	-	-	-
Aluminium powders and flakes	kg	24.42.21	-	-	-
Aluminium bars, rods and profiles	kg	24.42.22	..	..	..
Aluminium wire	kg	24.42.23	..	..	..
Aluminium plates, sheets and strip, of a thickness > 0,2 mm	kg	24.42.24	..	..	..
Aluminium foil, of a thickness ≤ 0,2 mm	kg	24.42.25	..	..	..
Aluminium tubes, pipes and tube or pipe fittings	kg	24.42.26	..	..	..
Lead, unwrought	kg	24.43.11	114 291 649	115 007 191	397 798
Zinc, unwrought	kg	24.43.12	..	..	..
Tin, unwrought	kg	24.43.13	..	..	..
Lead plates, sheets, strip and foil; lead powders and flakes	kg	24.43.21	-	-	-
Zinc dust, powders and flakes	kg	24.43.22	..	..	..
Zinc bars, rods, profiles and wire; zinc plates, sheets, strip and foil	kg	24.43.23	..	102 638	220
Tin bars, rods, profiles and wire	kg	24.43.24	-	-	-
Copper mattes; cement copper	kg	24.44.11	..	..	..
Copper, unrefined; copper anodes for electrolytic refining	kg	24.44.12	..	..	..
Refined copper and copper alloys, unwrought; master alloys of copper	kg	24.44.13	349 430 612	..	..
Copper powders and flakes	kg	24.44.21	-	-	-
Copper bars, rods and profiles	kg	24.44.22	..	..	..

Copper wire	kg	24.44.23	..	..	..
Copper plates, sheets and strip, of a thickness > 0,15 mm	kg	24.44.24	..	..	..
Copper foil, of a thickness ≤ 0,15 mm	kg	24.44.25	..	..	..
Copper tubes, pipes and tube or pipe fittings	kg	24.44.26	..	..	..
Nickel, unwrought	kg	24.45.11	-	-	-
Nickel mattes, nickel oxide sinters and other intermediate products of nickel metallurgy	kg	24.45.12	..	..	..
Nickel powders and flakes	kg	24.45.21	-	-	-
Nickel bars, rods, profiles and wire	kg	24.45.22	-	-	-
Nickel plates, sheets, strip and foil	kg	24.45.23	-	-	-
Nickel tubes, pipes and tube or pipe fittings	kg	24.45.24	-	-	-
Other non-ferrous metals and articles thereof: cermets; ash and residues, containing metals or metallic compounds	kg	24.45.30	..	..	..
Casting services of malleable cast iron	kg	24.51.11	782 329	718 862	2 124
Casting services of spheroidal cast iron	kg	24.51.12	7 458 230	7 133 356	27 268
Casting services of grey cast iron	kg	24.51.13	16 095 260	14 504 767	40 027
Tubes, pipes and hollow profiles of cast-iron	kg	24.51.20	-	-	-
Tube or pipe fittings, of cast-iron	kg	24.51.30	..	..	..
Casting services of steel	kg	24.52.10	..	..	..
Tube or pipe fittings, of cast-steel	kg	24.52.30	-	-	-
Casting services of light metals	kg	24.53.10	..	..	..
Casting services of other non-ferrous metals	kg	24.54.10	..	..	..
Prefabricated buildings of metal	ton	25.11.10	51 110	44 629	138 201
Bridges and bridge-sections of iron or steel	kg	25.11.21	-	-	-
Towers and lattice masts of iron or steel	kg	25.11.22	11 260 736	2 399 437	6 840
Other structures and parts of structures, plates, rods, angles, shapes and the like, of iron, steel or aluminium	kg	25.11.23	204 805 262	186 661 838	501 129
Doors, windows and their frames and thresholds for doors, of metal	p/st	25.12.10	734 376	679 086	248 036
Central heating radiators, not electrically heated, of iron or steel	thous. BGN	25.21.11	x	x	..
Central heating boilers, for producing hot water or low pressure steam	p/st	25.21.12	25 615	11 723	15 686
Parts for central heating boilers	thous. BGN	25.21.13	x	x	1 359
Reservoirs, tanks, vats and similar containers (other than for compressed or liquefied gas), of iron, steel or aluminium, of a capacity > 300 litres, not fitted with mechanical or thermal equipment)	kg	25.29.11	10 051 249	10 088 050	69 698
Containers for compressed or liquefied gas, of metal	kg	25.29.12	2 125 667	2 184 330	5 955
Steam or other vapour generating boilers; super-heated water boilers	p/st	25.30.11	..	27	1 076
Auxiliary plant for use with boilers; condensers for steam or other vapour power units	kg	25.30.12	-	-	-

Parts of steam generators	thous. BGN	25.30.13	x	x	..
Nuclear reactors, except isotope separators	kg	25.30.21	-	-	-
Parts of nuclear reactors, except isotope separators	thous. BGN	25.30.22	x	x	-
Revolvers, pistols, non-military firearms and similar devices	p/st	25.40.12	..	..	..
Bombs, missiles and similar munitions of war; cartridges, other ammunition and projectiles and parts thereof	kg	25.40.13	13 577	14 802	279
Parts of military weapons and other arms	thous. BGN	25.40.14	x	x	97 408
Forging services of metal	thous. BGN	25.50.11	x	x	3 580
Stamping services of metal	thous. BGN	25.50.12	x	x	1 479
Other forming services of metal	thous. BGN	25.50.13	x	x	..
Powder metallurgy	thous. BGN	25.50.20	x	x	1 790
Metallic coating services of metal	thous. BGN	25.61.11	x	x	44 946
Non-metallic coating services of metal	thous. BGN	25.61.12	x	x	..
Heat treatment services of metal, other than metallic coating	thous. BGN	25.61.21	x	x	2 458
Other surface treatment services of metal	thous. BGN	25.61.22	x	x	36 893
Turning services of metal parts	thous. BGN	25.62.10	x	x	209 915
Other machining services	thous. BGN	25.62.20	x	x	327 593
Knives (except for machines) and scissors and blades thereof	p/st	25.71.11	..	..	..
Razors and razor blades, including razor blade blanks in strips	#	25.71.12	x	x	-
Other articles of cutlery; manicure or pedicure sets and instruments	#	25.71.13	x	x	-
Spoons, forks, ladles, skimmers, cake-servers, fish-knives, butter-knives, sugar tongs and similar kitchen or tableware	p/st	25.71.14	..	..	..
Swords, cutlasses, bayonets, lances and similar arms and parts thereof	kg	25.71.15	-	-	-
Padlocks, locks used for motor vehicles and for furniture, of base metal	p/st	25.72.11	..	..	..
Other locks, of base metal	p/st	25.72.12	..	..	..
Clasps and frames with clasps, incorporating locks; parts	#	25.72.13	x	x	7 695
Hinges, mountings, fittings and similar articles, suitable for motor vehicles, doors, windows, furniture and the like, of base metal	kg	25.72.14	7 253 699	9 464 960	39 672
Hand tools of a kind used in agriculture, horticulture or forestry	kg	25.73.10	482 882	474 263	1 683

Hand saws; blades for saws of all kinds	kg	25.73.20	137 915	125 756	1 776
Other hand tools	kg	25.73.30	567 740	544 655	12 605
Interchangeable tools for hand tools, whether or not power-operated, or for machine tools	kg	25.73.40	510 469	290 344	34 129
Moulds; moulding boxes for metal foundry; mould bases; moulding patterns	#	25.73.50	x	x	16 564
Other tools	kg	25.73.60	228 999	398 372	12 507
Tanks, casks, drums, cans, boxes and similar containers, for any material (excluding gas), of iron or steel, of a capacity $\geq$ 50 l but $\leq$ 300 l, not fitted with mechanical or thermal equipment	p/st	25.91.11	83 341	45 572	..
Tanks, casks, drums, cans (except those to be closed by soldering or crimping), boxes and similar containers, for any material (excluding gas), of iron or steel, of a capacity $<$ 50 l, not fitted with mechanical or thermal equipment	p/st	25.91.12	..	..	..
Cans, of iron or steel, to be closed by soldering or crimping, of a capacity $<$ 50 l	p/st	25.92.11	285 910 177	..	..
Aluminium casks, drums, cans, boxes and similar containers, for any material (excluding gas), of a capacity $\leq$ 300 l	p/st	25.92.12	..	..	..
Crown corks and stoppers, caps and lids, of base metal	#	25.92.13	x	x	110 186
Stranded wire, cables, plaited bands, slings and the like, of iron or steel, not electrically insulated	kg	25.93.11	..	..	..
Barbed wire, of iron or steel; stranded wire, cables, plaited bands and the like, of copper or aluminium, not electrically insulated	kg	25.93.12	..	..	..
Cloth, grills, netting and fencing, of iron, steel or copper wire; expanded metal, of iron, steel or copper	kg	25.93.13	43 168 995	28 337 157	40 415
Nails, tacks, drawing pins, staples and similar articles	kg	25.93.14	7 329 933	7 207 336	9 433
Wire, rods, tubes, plates, electrodes, coated or cored with flux material	#	25.93.15	x	x	..
Springs and leaves for springs, of iron or steel; copper springs	kg	25.93.16	2 755 198	2 854 698	25 792
Chain (except articulated link chain) and parts thereof	#	25.93.17	x	x	567
Sewing needles, knitting needles, bodkins, crochet hooks, embroidery stiletos and similar articles for use in the hand, of iron or steel; safety pins and other pins of iron or steel n.e.c.	kg	25.93.18	-	-	-
Threaded fasteners, of iron or steel, n.e.c.	kg	25.94.11	4 117 153	2 352 781	9 942
Non-threaded fasteners, of iron or steel, n.e.c.	kg	25.94.12	..	..	..
Non-threaded and threaded fasteners, of copper	kg	25.94.13	..	..	..
Sinks, wash-basins, baths and other sanitary ware, and parts thereof, of iron, steel, copper or aluminium	#	25.99.11	x	x	..
Table, kitchen or household articles and parts thereof, of iron, steel, copper or aluminium	kg	25.99.12	3 581 747	3 682 189	19 087
Armoured or reinforced safes, strong-boxes and doors and safe deposit lockers for strong-rooms, cash or deed boxes and the like, of base metal	#	25.99.21	x	x	25 553

Paper trays, paper rests, pen trays, office-stamp stands and similar office or desk equipment, of base metal, other than office furniture	thous. BGN	25.99.22	x	x	..
Fittings for loose-leaf binders or files, letter clips and similar office articles, and staples in strips, of base metal	thous. BGN	25.99.23	x	x	-
Statuettes and other ornaments and photograph, picture or similar frames and mirrors, of base metal	thous. BGN	25.99.24	x	x	3 248
Clasps, frames with clasps, buckles, buckle-clasps, hooks, eyes, eyelets and the like, of base metal, of a kind used for clothing, footwear, awnings, handbags, travel goods or other made-up articles; tubular or bifurcated rivets, of base metal; beads and spangles of base metal	thous. BGN	25.99.25	x	x	..
Ships' or boats' propellers and blades thereof	p/st	25.99.26	-	-	-
Other articles of base metal n.e.c.	#	25.99.29	x	x	482 798
Cathode-ray television picture tubes; television camera tubes; other cathode-ray tubes	p/st	26.11.11	..	-	-
Magnetrons, klystrons, microwave tubes and other valve tubes	p/st	26.11.12	..	..	..
Diodes; transistors; thyristors, diacs and triacs	p/st	26.11.21	..	..	..
Semiconductor devices; light-emitting diodes; mounted piezo-electric crystals; parts thereof	p/st	26.11.22	..	48 943	..
Electronic integrated circuits	p/st	26.11.30	9 694 301	..	..
Parts of electronic valves and tubes and of other electronic components n.e.c.	#	26.11.40	x	x	..
Bare printed circuit boards	p/st	26.11.50	3 532 101	..	..
Loaded printed circuits	p/st	26.12.10	32 221 588	27 754 024	71 367
Sound, video, network and similar cards for automatic data processing machines	p/st	26.12.20	..	..	..
Smart cards	p/st	26.12.30	4 003 380	4 079 130	2 618
Portable automatic data processing machines weighing ≤ 10 kg, such as laptop and notebook computers; personal digital assistants and similar computers	p/st	26.20.11	..	..	..
Point-of-sale terminals, ATMs and similar machines capable of being connected to a data processing machine or network	p/st	26.20.12	-	-	-
Digital automatic data processing machines, comprising in the same housing at least a central processing unit and an input and an output unit, whether or not combined	p/st	26.20.13	3 722	3 722	3 048
Digital automatic data processing machines presented in the form of systems	p/st	26.20.14	4 446	4 535	2 392
Other digital automatic data processing machines, whether or not containing in the same housing one or two of the following types of units: storage units, input units, output units	p/st	26.20.15	4 479	4 479	13 685
Input or output units, whether or not containing storage units in the same housing	p/st	26.20.16	2 810	1 333	..
Monitors and projectors, principally used in an automatic data processing system	p/st	26.20.17	..	..	..

Units performing two or more of the following functions: printing, scanning, copying, faxing	p/st	26.20.18	-	-	-
Storage units	p/st	26.20.21	-	-	-
Solid-state non-volatile storage devices	kg	26.20.22	-	-	-
Other units of automatic data processing machines	p/st	26.20.30	..	..	..
Parts and accessories of computing machines	thous. BGN	26.20.40	x	x	..
Transmission apparatus incorporating reception apparatus	p/st	26.30.11	..	..	..
Transmission apparatus not incorporating reception apparatus	p/st	26.30.12	..	..	..
Television cameras	p/st	26.30.13	..	..	..
Line telephone sets with cordless handsets	p/st	26.30.21	-	-	-
Telephones for cellular networks or for other wireless networks	p/st	26.30.22	-	-	-
Other telephone sets and apparatus for transmission or reception of voice, images or other data, including apparatus for communication in a wired or wireless network (such as a local or wide area network)	p/st	26.30.23	..	..	..
Parts of electrical telephonic or telegraphic apparatus	thous. BGN	26.30.30	x	x	3 164
Aerials and aerial reflectors of all kind and parts thereof; parts of radio and television transmission apparatus and television cameras	#	26.30.40	x	x	8 275
Burglar or fire alarms and similar apparatus	p/st	26.30.50	1 764 205	..	43 160
Radio broadcast receivers (except of a kind used in motor vehicles), whether or not combined with sound recording or reproducing apparatus or a clock	p/st	26.40.11	..	..	..
Radio broadcast receivers not capable of operating without an external source of power, of a kind used in motor vehicles	p/st	26.40.12	-	-	-
Television receivers, whether or not combined with radio- broadcast receivers or sound or video recording or reproduction apparatus	p/st	26.40.20	..	..	..
Turntables, record-players, cassette-players and other sound reproducing apparatus	p/st	26.40.31	..	..	..
Magnetic tape recorders and other sound recording apparatus	p/st	26.40.32	-	-	-
Video camera recorders and other video recording or reproducing apparatus	p/st	26.40.33	..	..	..
Monitors and projectors, not incorporating television reception apparatus and not principally used in an automatic data processing system	p/st	26.40.34	..	..	..
Microphones and stands thereof	p/st	26.40.41	27 041	27 095	2 591
Loudspeakers; headphones, earphones and combined microphone/speaker sets	p/st	26.40.42	..	..	..
Audio-frequency electric amplifiers; electric sound amplifier sets	p/st	26.40.43	..	918	3 530
Reception apparatus for radio-telephony or radio-telegraphy n.e.c.	p/st	26.40.44	-	-	-
Parts and accessories of sound and video equipment	#	26.40.51	x	x	..

Parts of radio receivers and transmitters	thous. BGN	26.40.52	x	x	-
Video game consoles (used with a television receiver or having a self-contained screen) and other games of skill or chance with an electronic display	p/st	26.40.60	..	..	..
Direction-finding compasses; other navigational instruments and appliances	#	26.51.11	x	x	1 840
Theodolites and tachymetres (tachometers); other surveying, hydrographic, oceanographic, hydrological, meteorological or geophysical instruments and appliances	p/st	26.51.12	..	..	..
Radar apparatus and radio navigational aid apparatus	#	26.51.20	x	x	8 869
Balances of a sensitivity of 5 cg or better	p/st	26.51.31	-	-	-
Drafting tables and machines and other drawing, marking-out or mathematical calculating instruments	p/st	26.51.32	-	-	-
Instruments for measuring length, for use in the hand (including micrometers and callipers) n.e.c.	p/st	26.51.33	..	..	..
Instruments and apparatus for measuring or detecting ionising radiations	p/st	26.51.41	-	-	-
Cathode-ray oscilloscopes and cathode-ray oscillographs	p/st	26.51.42	-	-	-
Instruments for measuring electrical quantities without a recording device	p/st	26.51.43	..	658	157
Instruments and apparatus for telecommunications	p/st	26.51.44	-	-	-
Instruments and apparatus for measuring or checking electrical quantities n.e.c.	p/st	26.51.45	..	..	..
Hydrometers, thermometers, pyrometers, barometers, hygrometers and psychrometers	p/st	26.51.51	..	..	10 181
Instruments for measuring or checking the flow, level, pressure or other variables of liquids and gases	p/st	26.51.52	5 801 019	5 805 585	53 430
Instruments and apparatus for physical or chemical analysis n.e.c.	p/st	26.51.53	305 363	305 363	24 197
Microscopes (except optical microscopes) and diffraction apparatus	p/st	26.51.61	-	-	-
Machines and appliances for testing the mechanical properties of materials	p/st	26.51.62	-	-	-
Gas, liquid or electricity supply or production meters	p/st	26.51.63	163 913	105 947	6 211
Revolution and production counters, taximeters; speed indicators and tachometers	p/st	26.51.64	..	..	..
Automatic regulating or controlling instruments and apparatus, hydraulic or pneumatic	p/st	26.51.65	..	..	342
Measuring or checking instruments, appliances and machines n.e.c.	#	26.51.66	x	x	..
Thermostats, manostats and other automatic regulating or controlling instruments and apparatus	p/st	26.51.70	762 780	648 605	56 963
Parts of radar apparatus and radio navigational aid apparatus	thous. BGN	26.51.81	x	x	..



Parts and accessories for the goods of 26.51.12, 26.51.32, 26.51.33, 26.51.4 and 26.51.5; microtomes; parts n.e.c.	thous. BGN	26.51.82	x	x	45 306
Parts and accessories of microscopes (other than optical) and of diffraction apparatus	thous. BGN	26.51.83	x	x	-
Parts and accessories for the goods of 26.51.63 and 26.51.64	thous. BGN	26.51.84	x	x	..
Parts and accessories of instruments and apparatus of 26.51.65, 26.51.66 and 26.51.70	thous. BGN	26.51.85	x	x	28 457
Parts and accessories of instruments and apparatus of 26.51.11 and 26.51.62	thous. BGN	26.51.86	x	x	..
Wrist-watches, pocket-watches, with case of precious metal or of metal clad with precious metal	p/st	26.52.11	-	-	-
Other wrist-watches, pocket-watches and other watches, including stop-watches	p/st	26.52.12	-	-	-
Instrument panel clocks and clocks of a similar type for vehicles	p/st	26.52.13	..	..	..
Clocks with watch movements; alarm clocks and wall clocks; other clocks	p/st	26.52.14	..	..	..
Watch and clock movements	p/st	26.52.21	-	-	-
Watch and clock cases and parts thereof	thous. BGN	26.52.22	x	x	-
Other clock and watch parts	thous. BGN	26.52.23	x	x	-
Time-registers, time-recorders, parking meters; time switches with clock or watch movement	p/st	26.52.24	..	..	..
Apparatus based on the use of X-rays or of alpha, beta or gamma radiations	#	26.60.11	x	x	..
Electro-diagnostic apparatus used in medical science	p/st	26.60.12	..	..	..
Ultra-violet or infra-red ray apparatus, used in medical, surgical, dental or veterinary sciences	p/st	26.60.13	..	..	..
Pacemakers; hearing aids	#	26.60.14	x	x	..
Objective lenses for cameras, projectors or photographic enlargers or reducers	p/st	26.70.11	..	..	..
Cameras for preparing printing plates or cylinders; cameras for recording documents on microfilm, microfiche and the like	p/st	26.70.12	-	-	-
Digital cameras	p/st	26.70.13	-	-	-
Instant print cameras and other cameras	p/st	26.70.14	-	-	-
Cinematographic cameras	p/st	26.70.15	-	-	-
Cinematographic projectors	p/st	26.70.16	-	-	-
Other photographic equipment; parts and accessories of photographic equipment	#	26.70.19	x	x	-
Sheets and plates of polarising material; lenses, prisms, mirrors and other optical elements (except of glass not optically worked), whether or not mounted, other than for cameras, projectors or photographic enlargers or reducers	#	26.70.21	x	x	..

Binoculars, monoculars and other optical telescopes; other astronomical instruments; optical microscopes	p/st	26.70.22	..	..	..
Liquid crystal devices; lasers, except laser diodes; other optical appliances and instruments n.e.c.	p/st	26.70.23	..	..	..
Optical measuring and checking devices and instruments	p/st	26.70.24	..	..	..
Parts and accessories of binoculars, monoculars and other optical telescopes, of other astronomical instruments, and of optical microscopes	thous. BGN	26.70.25	x	x	1 002
Parts and accessories of liquid crystal devices, lasers (except laser diodes), other optical appliances and instruments n.e.c.	thous. BGN	26.70.26	x	x	..
Magnetic media, not recorded, except cards with a magnetic stripe	kg	26.80.11	-	-	-
Optical media, not recorded	kg	26.80.12	..	..	..
Other recording media, including matrices and masters for the production of disks	kg	26.80.13	..	..	..
Cards with a magnetic stripe	kg	26.80.14	72 890	70 991	2 669
Motors of an output $\leq 37,5$ W; other DC motors; DC generators	p/st	27.11.10	506 255	..	..
Universal AC/DC motors of an output $> 37,5$ W	p/st	27.11.21	-	..	..
AC motors, single-phase	p/st	27.11.22	..	..	..
AC motors, multi-phase, of an output $\leq 750$ W	p/st	27.11.23	22 037	15 482	3 070
AC motors, multi-phase, of an output $> 750$ W but $\leq 75$ kW	p/st	27.11.24	58 317	52 363	23 960
AC motors, multi-phase, of an output $> 75$ kW	p/st	27.11.25	-	-	-
AC generators (alternators)	p/st	27.11.26	-	-	-
Generating sets with compression-ignition internal combustion piston engines	p/st	27.11.31	..	..	..
Generating sets with spark-ignition engines; other generating sets; electric rotary converters	p/st	27.11.32	..	..	..
Liquid dielectric transformers	p/st	27.11.41	..	..	..
Other transformers, having a power handling capacity $\leq 16$ kVA	p/st	27.11.42	..	..	..
Other transformers, having a power handling capacity $> 16$ kVA	p/st	27.11.43	..	..	..
Ballasts for discharge lamps or tubes; other inductors	p/st	27.11.50	..	3 164 621	43 338
Parts suitable for electrical motors and generators	thous. BGN	27.11.61	x	x	20 981
Parts of transformers, inductors and static converters	#	27.11.62	x	x	59 189
Electrical apparatus for switching or protecting electrical circuits, for a voltage $> 1 000$ V	p/st	27.12.10	743 340	586 561	44 668
Fuses, for a voltage $\leq 1 000$ V	p/st	27.12.21	269 064	..	..
Automatic circuit breakers, for a voltage $\leq 1 000$ V	p/st	27.12.22	..	..	..
Apparatus for protecting electrical circuits n.e.c., for a voltage $\leq 1 000$ V	p/st	27.12.23	..	..	..
Relays, for a voltage $\leq 1 000$ V	p/st	27.12.24	391 231	479 589	12 957
Boards and other bases, equipped with electrical switching or protecting apparatus, for a voltage $\leq 1 000$ V	p/st	27.12.31	..	1 253 621	165 287
Boards and other bases, equipped with electrical switching or protecting apparatus, for a voltage $> 1 000$ V	p/st	27.12.32	13 234	..	..

Parts of electricity distribution or control apparatus	#	27.12.40	x	x	242 624
Primary cells and primary batteries	p/st	27.20.11	..	..	..
Parts of primary cells and primary batteries	thous. BGN	27.20.12	x	x	-
Lead-acid accumulators for starting piston engines	p/st	27.20.21	..	..	210 728
Lead-acid accumulators, excluding for starting piston engines	ce/el	27.20.22	458 168	497 104	82 954
Nickel-cadmium, nickel metal hydride, lithium-ion, lithium polymer, nickel-iron and other electric accumulators	p/st	27.20.23	..	..	..
Parts of electric accumulators including separators	thous. BGN	27.20.24	x	x	20 415
Optical fibre cables made up of individually sheathed fibres	kg	27.31.11	-	-	-
Optical fibres and optical fibre bundles; optical fibre cables (except those made up of individually sheathed fibres)	kg	27.31.12	-	-	-
Insulated winding wire	kg	27.32.11	..	..	..
Coaxial cable and other coaxial electric conductors	kg	27.32.12	634 953	..	..
Other electric conductors, for a voltage $\leq$ 1 000 V	kg	27.32.13	28 458 553	28 110 604	154 273
Other electric conductors, for a voltage $>$ 1 000 V	kg	27.32.14	..	..	..
Switches, for a voltage $\leq$ 1 000 V	p/st	27.33.11	..	..	93 443
Lamp-holders, for a voltage $\leq$ 1 000 V	p/st	27.33.12	..	..	..
Plugs, sockets and other apparatus for switching or protecting electrical circuits n.e.c.	p/st	27.33.13	109 810 728	92 175 802	77 826
Electrical insulating fittings of plastics	kg	27.33.14	27 308	27 228	438
Sealed beam lamp units	p/st	27.40.11	..	..	..
Tungsten halogen filament lamps, excluding ultraviolet or infra-red lamps	p/st	27.40.12	..	..	..
Filament lamps of a power $\leq$ 200 W and for a voltage $>$ 100 V n.e.c.	p/st	27.40.13	..	..	..
Filament lamps n.e.c.	p/st	27.40.14	..	..	..
Discharge lamps; ultra-violet or infra-red lamps; arc lamps	p/st	27.40.15	..	..	..
Portable electric lamps worked by dry batteries, accumulators, magnetos	p/st	27.40.21	..	..	..
Electric table, desk, bedside or floor-standing lamps	p/st	27.40.22	..	39 008	..
Non-electrical lamps and lighting fittings	p/st	27.40.23	-	-	-
Illuminated signs, illuminated name-plates and the like	p/st	27.40.24	70 040	123 519	5 524
Chandeliers and other electric ceiling or wall lighting fittings	p/st	27.40.25	297 350	349 269	6 392
Other lamps and lighting fittings	#	27.40.30	x	x	..
Parts for filament or discharge lamps	thous. BGN	27.40.41	x	x	..
Parts of lamps and lighting fittings	thous. BGN	27.40.42	x	x	1 912
Refrigerators and freezers, of the household type	p/st	27.51.11	..	..	..
Dish washing machines, of the household type	p/st	27.51.12	-	-	-
Cloth washing and drying machines, of the household type	p/st	27.51.13	-	-	-
Electric blankets	p/st	27.51.14	-	-	-
Fans and ventilating or recycling hoods of the domestic type	p/st	27.51.15	164 558	156 404	6 541

Electro-mechanical domestic appliances, with self-contained electric motor	#	27.51.21	x	x	2 629
Shavers, hair-removing appliances and hair clippers, with self-contained electric motor	p/st	27.51.22	-	-	-
Electro-thermic hair-dressing or hand-drying apparatus; electric smoothing irons	p/st	27.51.23	..	..	..
Other electro-thermic appliances	p/st	27.51.24	..	..	..
Electrical instantaneous or storage water heaters and immersion heaters	p/st	27.51.25	1 197 973	1 170 445	155 741
Electric space heating apparatus and electric soil heating apparatus	p/st	27.51.26	..	..	..
Microwave ovens	p/st	27.51.27	-	-	-
Other ovens; cookers, cooking plates, boiling rings; grillers, roasters	p/st	27.51.28	..	..	..
Electric heating resistors	kg	27.51.29	12 280	12 130	582
Parts of electric domestic appliances	thous. BGN	27.51.30	x	x	11 755
Domestic cooking appliances and plate warmers, of iron or steel or of copper, non electric	p/st	27.52.11	..	..	..
Other domestic appliances, for gas fuel or for both gas and other fuels, for liquid fuel or for solid fuel	p/st	27.52.12	141 199	153 034	56 147
Air heaters or hot air distributors n.e.c., of iron or steel, non-electric	p/st	27.52.13	..	..	..
Water heaters, instantaneous or storage, non-electric	p/st	27.52.14	84 909	87 524	28 901
Parts of stoves, cookers, plate warmers and similar non-electric domestic appliances	thous. BGN	27.52.20	x	x	882
Electrical machines and apparatus having individual functions	thous. BGN	27.90.11	x	x	15 195
Electrical insulators; insulating fittings for electrical machines or equipment; electrical conduit tubing	kg	27.90.12	..	..	..
Carbon electrodes and other articles of graphite or other carbon for electrical purposes	kg	27.90.13	..	..	..
Indicator panels with liquid crystal devices or light emitting diodes; electric sound or visual signalling apparatus	kg	27.90.20	..	..	..
Electrical machinery and apparatus for soldering, brazing or welding; electric machines and apparatus for hot spraying of metals or sintered metal carbides	p/st	27.90.31	2 192	8 156	6 349
Parts of electrical machinery and apparatus for soldering, brazing or welding; electric machines and apparatus for hot spraying of metals or sintered metal carbides	thous. BGN	27.90.32	x	x	..
Parts of other electrical equipment; electrical parts of machinery or apparatus n.e.c.	thous. BGN	27.90.33	x	x	..
Inverters, rectifiers, converters	#	27.90.41	x	x	142 072
Fuel cells	thous. BGN	27.90.42	x	x	-

Surge suppressors, for a voltage > 1.000 V	p/st	27.90.43	-	-	-
Appliance cords, extension cords, and other electrical cord sets with insulated wire and connectors	kg	27.90.44	2 216 804	1 808 826	51 551
Electro-magnets; electro-magnetic couplings and brakes; electro-magnetic lifting heads; electrical particle accelerators; electrical signal generators and other electrical equipment n.e.c.	#	27.90.45	x	x	..
Fixed capacitors for 50/60 Hz circuits having a reactive power handling capacity $\geq 0,5$ kvar	p/st	27.90.51	..	..	..
Other fixed capacitors	p/st	27.90.52	..	..	..
Variable or adjustable (pre-set) capacitors	p/st	27.90.53	..	..	..
Electrical resistors, except heating resistors	p/st	27.90.60	413 294	..	1 457
Electrical signalling, safety or traffic control equipment for railways, tramways, roads, inland waterways, parking facilities, port installations or airfields	#	27.90.70	x	x	..
Parts of electrical capacitors	thous. BGN	27.90.81	x	x	-
Parts of electrical resistors, rheostats and potentiometers	thous. BGN	27.90.82	x	x	-
Outboard motors for marine propulsion	p/st	28.11.11	-	-	-
Marine propulsion spark-ignition engines; other engines	p/st	28.11.12	-	-	-
Other compression-ignition internal combustion piston engines	p/st	28.11.13	..	-	-
Steam turbines and other vapour turbines	kW	28.11.21	-	-	-
Hydraulic turbines and water wheels	kW	28.11.22	..	..	..
Gas turbines, other than turbo-jets and turbo-propellers	kW	28.11.23	-	-	-
Wind turbines	p/st	28.11.24	-	-	-
Parts of steam and other vapour turbines	thous. BGN	28.11.31	x	x	..
Parts of hydraulic turbines, water wheels including regulators	thous. BGN	28.11.32	x	x	..
Parts of gas turbines, excluding turbo-jets and turbo-propellers	thous. BGN	28.11.33	x	x	-
Parts for spark-ignition internal combustion engines, excluding parts for aircraft engines	thous. BGN	28.11.41	x	x	5 492
Parts for other engines n.e.c.	thous. BGN	28.11.42	x	x	4 961
Linear acting hydraulic and pneumatic motors (cylinders)	p/st	28.12.11	841 274	816 967	202 888
Rotating hydraulic and pneumatic motors	p/st	28.12.12	771 675	..	..
Hydraulic pumps	p/st	28.12.13	..	..	..
Hydraulic and pneumatic valves	kg	28.12.14	..	..	..
Hydraulic assemblies	p/st	28.12.15	..	..	..
Hydraulic systems	p/st	28.12.16	26 941	26 930	8 141
Parts of fluid power equipment	thous. BGN	28.12.20	x	x	41 019
Pumps for fuel, lubricants, cooling-medium and concrete	p/st	28.13.11	..	..	..
Other reciprocating positive displacement pumps for liquids	p/st	28.13.12	..	..	..

Other rotary positive displacement pumps for liquids	p/st	28.13.13	..	..	..
Other centrifugal pumps for liquids; other pumps	p/st	28.13.14	8 642	8 669	4 720
Vacuum pumps	p/st	28.13.21	..	..	..
Hand or foot-operated air pumps	p/st	28.13.22	-	-	-
Compressors for refrigeration equipment	p/st	28.13.23	-	-	-
Air compressors mounted on a wheeled chassis for towing	p/st	28.13.24	-	-	-
Turbo-compressors	p/st	28.13.25	-	-	-
Reciprocating displacement compressors	p/st	28.13.26	-	-	-
Rotary displacement compressors, single-shaft or multi-shaft	p/st	28.13.27	-	-	-
Other compressors	p/st	28.13.28	..	..	..
Parts of pumps; parts of liquid elevators	thous. BGN	28.13.31	x	x	6 121
Parts of air or vacuum pumps, of air or gas compressors, of fans, of hoods	thous. BGN	28.13.32	x	x	9 462
Pressure-reducing, control, check and safety valves	kg	28.14.11	708 652	721 714	31 877
Taps, cocks, valves for sinks, wash basins, bidets, water cisterns bath and similar fixtures; central heating radiator valves	kg	28.14.12	..	..	..
Process control valves, gate valves, globe valves and other valves	kg	28.14.13	87 018 725	60 350 067	120 472
Parts of taps and valves and similar articles	thous. BGN	28.14.20	x	x	30 037
Ball or roller bearings	kg	28.15.10	..	..	..
Articulated link chain, of iron or steel	kg	28.15.21	..	..	..
Transmission shafts (including cam and crank shafts) and cranks	kg	28.15.22	..	..	..
Bearing housings and plain shaft bearings	kg	28.15.23	..	..	..
Gears and gearing; ball or roller screws; gear boxes and other speed changers	kg	28.15.24	773 138	396 874	..
Flywheels and pulleys including pulley blocks	kg	28.15.25	-	-	-
Clutches and shaft couplings including universal joints	kg	28.15.26	146 836	134 178	1 592
Balls, needles and rollers; parts of ball or roller bearings	#	28.15.31	x	x	..
Parts of articulated link chain of iron or steel	thous. BGN	28.15.32	x	x	..
Parts of bearing and driving elements n.e.c.	thous. BGN	28.15.39	x	x	..
Furnace burners; mechanical stokers and grates; mechanical ash dischargers and the like	p/st	28.21.11	4 940	4 239	5 630
Industrial or laboratory furnaces and ovens, non-electric, including incinerators, but excluding bakery ovens	#	28.21.12	x	x	1 197
Industrial or laboratory electric furnaces and ovens; induction or dielectric heating equipment	#	28.21.13	x	x	11 802
Parts of furnace burners, furnaces and ovens	thous. BGN	28.21.14	x	x	..
Pulley tackle and hoists n.e.c.	p/st	28.22.11	..	..	..
Pit-head winding gear; winches specially designed for underground use; other winches; capstans	p/st	28.22.12	..	..	..
Jacks; hoists of a kind used for raising vehicles	p/st	28.22.13	..	..	..

Derricks; cranes; mobile lifting frames, straddle carriers and works trucks fitted with a crane	p/st	28.22.14	..	..	..
Fork-lift trucks, other works trucks; tractors of the type used on railway station platforms	p/st	28.22.15	..	..	..
Lifts, skip hoists, escalators and moving walkways	p/st	28.22.16	1 231	1 256	26 022
Pneumatic and other continuous action elevators and conveyors, for goods or materials	p/st	28.22.17	582	583	9 929
Other lifting, handling, loading or unloading machinery	p/st	28.22.18	..	..	6 436
Parts of lifting and handling equipment	thous. BGN	28.22.19	x	x	73 074
Buckets, shovels, grabs and grips for cranes, excavators and the like	kg	28.22.20	856 198	826 560	5 104
Accounting machines and similar machines incorporating a calculating device	p/st	28.23.10	1 193 089	227 036	52 409
Office machines	p/st	28.23.21	..	..	..
Parts and accessories of office machines	thous. BGN	28.23.22	x	x	205 236
Electromechanical tools for working in the hand, with self-contained electric motor	p/st	28.24.11	..	..	..
Other portable hand held power tools	p/st	28.24.12	-	-	-
Parts of electromechanical tools for working in the hand, with self-contained electric motor	thous. BGN	28.24.21	x	x	3 629
Parts of other portable hand held power tools	thous. BGN	28.24.22	x	x	-
Heat exchange units and machinery for liquefying air or other gases	p/st	28.25.11	3 574	3 566	2 070
Air conditioning machines	p/st	28.25.12	10 623	10 400	..
Refrigeration and freezing equipment and heat pumps, except household type equipment	p/st	28.25.13	..	..	..
Machinery and apparatus for filtering or purifying gases n.e.c.	p/st	28.25.14	..	..	11 521
Fans, other than table, floor, wall, window, ceiling or roof fans	p/st	28.25.20	..	..	..
Parts of refrigeration and freezing equipment and heat pumps	#	28.25.30	x	x	79 612
Producer gas or water gas generators; acetylene gas generators and the like; distilling or rectifying plant	p/st	28.29.11	471	471	2 163
Filtering or purifying machinery and apparatus, for liquid	p/st	28.29.12	..	..	4 732
Oil filters, petrol filters and intake air filters for internal combustion engines	p/st	28.29.13	..	..	..
Machinery for cleaning, filling, packing or wrapping bottles or other containers	p/st	28.29.21	..	..	..
Fire extinguishers, spray guns, steam or sand blasting machines and similar mechanical appliances, except for use in agriculture	p/st	28.29.22	..	..	5 494
Gaskets of metal sheeting; mechanical seals	kg	28.29.23	..	..	..
Weighing machines for industrial purposes; scales for continuous weighing of goods on conveyors; constant weight scales and scales for discharging a predetermined weight	p/st	28.29.31	..	..	..

Personal and household weighing machines and scales	p/st	28.29.32	-	-	-
Other weighing and measuring machinery	#	28.29.39	x	x	9 357
Centrifuges n.e.c.	p/st	28.29.41	..	..	..
Calendaring or other rolling machines, excluding metal or glass	p/st	28.29.42	-	-	-
Automatic goods-vending machines	p/st	28.29.43	..	..	..
Dish washing machines, of the industrial type	p/st	28.29.50	..	..	..
Machinery n.e.c. for the treatment of materials by a process involving a change of temperature	p/st	28.29.60	..	..	..
Non-electrical machinery and apparatus for soldering, brazing or welding and parts thereof; gas-operated surface tempering machines and appliances	p/st	28.29.70	454	..	..
Parts of gas or water gas generators	thous. BGN	28.29.81	x	x	..
Parts of centrifuges; parts of filtering or purifying machinery and apparatus for liquids or gases	thous. BGN	28.29.82	x	x	1 571
Parts of calendaring or other rolling machines; parts of spraying machinery, weights for weighing machines	#	28.29.83	x	x	4 316
Machinery parts, not containing electrical connectors n.e.c.	thous. BGN	28.29.84	x	x	11 699
Parts of dish washing machines and machines for cleaning, filling, packing or wrapping	thous. BGN	28.29.85	x	x	49 176
Parts of non-electrical machinery and apparatus for soldering, brazing or welding; gas-operated surface tempering machines and appliances	thous. BGN	28.29.86	x	x	22 607
Pedestrian-controlled tractors	p/st	28.30.10	-	-	-
Tractors, with an engine power $\leq 37$ kW	p/st	28.30.21	-	-	-
Tractors, with an engine power $> 37$ kW but $\leq 59$ kW	p/st	28.30.22	-	-	-
Tractors, with an engine power $> 59$ kW	p/st	28.30.23	-	-	-
Ploughs	p/st	28.30.31	662	680	1 260
Harrows, scarifiers, cultivators, weeders and hoes	p/st	28.30.32	1 620	1 661	9 024
Seeders, planters and transplanters	p/st	28.30.33	-	..	..
Manure spreaders and fertiliser distributors	p/st	28.30.34	..	..	..
Other soil machinery	p/st	28.30.39	2 739	2 663	6 449
Mowers for lawns, parks or sports grounds	p/st	28.30.40	..	..	..
Mowers (including cutter bars for tractor mounting) n.e.c.	p/st	28.30.51	..	..	..
Hay-making machinery	p/st	28.30.52	..	..	..
Straw or fodder balers, including pick-up balers	p/st	28.30.53	-	-	-
Root or tuber harvesting machines	p/st	28.30.54	-	-	-
Harvesting and threshing machinery n.e.c.	p/st	28.30.59	216	198	3 726
Machinery for projecting, dispersing or spraying liquids or powders for agriculture or horticulture	p/st	28.30.60	123	126	1 229
Self-loading or unloading trailers and semi-trailers for agriculture	p/st	28.30.70	..	..	..
Machines for cleaning, sorting or grading eggs, fruit or other agricultural produce, except seed, grain or dried leguminous vegetables	p/st	28.30.81	..	..	..



Milking machines	p/st	28.30.82	..	..	..
Machinery for preparing animal feeding stuffs	p/st	28.30.83	41	..	..
Poultry incubators and brooders	p/st	28.30.84	-	-	-
Poultry keeping machinery	p/st	28.30.85	..	..	..
Agricultural, horticultural, forestry, poultry- or bee-keeping machinery n.e.c.	p/st	28.30.86	241	..	..
Parts of harvester and threshers n.e.c.	thous. BGN	28.30.91	x	x	10 470
Parts of soil machinery	thous. BGN	28.30.92	x	x	7 721
Parts of other agricultural machinery	thous. BGN	28.30.93	x	x	..
Parts of milking and dairy machines n.e.c.	thous. BGN	28.30.94	x	x	-
Machine tools for working metal by removal of material by laser, ultrasonic, water-jet and the like	p/st	28.41.11	..	..	..
Machining centres, unit construction machines and multi-station transfer machines, for working metal	p/st	28.41.12	..	..	..
Lathes for removing metal	p/st	28.41.21	..	..	..
Machine tools for drilling, boring or milling metal; machine tools for threading or tapping metal n.e.c.	p/st	28.41.22	60	60	2 736
Machine tools for deburring, sharpening, grinding or otherwise finishing metal	p/st	28.41.23	29	29	2 726
Machine tools for planing, sawing, cutting-off or otherwise cutting metal	p/st	28.41.24	..	..	..
Machines for bending, folding and straightening metal	p/st	28.41.31	..	..	..
Machines for punching and notching metal	p/st	28.41.32	..	..	..
Forging or die-stamping machines and hammers; hydraulic presses and presses for working metal n.e.c.	p/st	28.41.33	..	..	..
Machine tools n.e.c. for working metal, sintered metal carbides or cermets, without removing material	p/st	28.41.34	..	..	..
Parts and accessories for metalworking machine tools	thous. BGN	28.41.40	x	x	15 439
Machine tools for working stone, ceramics, concrete or similar mineral materials or for cold working glass	p/st	28.49.11	..	..	..
Machine tools for working wood, cork, bone, hard rubber, hard plastics or similar hard materials; electroplating machinery	#	28.49.12	x	x	23 628
Stationary rotary or rotary percussion drills, filing machines, riveters, sheet metal cutters	p/st	28.49.13	61	61	2 339
Tool holders and self-opening dieheads, for machine tools	kg	28.49.21	12 530	14 322	1 045
Work holders for machine tools	kg	28.49.22	..	..	..
Dividing heads and other special attachments for machine tools	kg	28.49.23	-	-	-
Parts and accessories of machine tools for working wood, cork, stone, hard rubber and similar hard materials	thous. BGN	28.49.24	x	x	11 707

Converters, ladles, ingot moulds and casting machines; metal-rolling mills	p/st	28.91.11	84	84	..
Parts of machines for metallurgy; parts of metal-rolling mills	#	28.91.12	x	x	7 492
Continuous-action elevators and conveyors, for underground use	p/st	28.92.11	..	..	..
Coal or rock cutters and tunnelling machinery; other boring and sinking machinery	p/st	28.92.12	..	..	..
Self propelled bulldozers and angledozers	p/st	28.92.21	-	-	-
Self-propelled graders and levellers; motor scrapers	p/st	28.92.22	-	-	-
Self-propelled tamping machines and road-rollers	p/st	28.92.23	..	..	..
Self-propelled front-end shovel loaders	p/st	28.92.24	-	-	-
Self-propelled mechanical shovels, excavators and shovel loaders, with a 360 degree revolving superstructure, except front-end shovel loaders	p/st	28.92.25	-	-	-
Other self-propelled mechanical shovels, excavators and shovel loaders; other self-propelled machinery for mining	p/st	28.92.26	..	..	..
Bulldozer or angledozer blades	kg	28.92.27	-	-	-
Dumpers for off-highway use	p/st	28.92.28	-	-	-
Other excavating machinery	p/st	28.92.30	..	..	..
Machinery for sorting, grinding, mixing and similar treatment of earth, stone, ores and other mineral substances	p/st	28.92.40	661	591	6 025
Track-laying tractors	p/st	28.92.50	-	-	-
Parts for boring or sinking or excavating machinery; parts of cranes	thous. BGN	28.92.61	x	x	152 019
Parts of machinery for sorting, grinding or other treatment of earth, stone and the like	thous. BGN	28.92.62	x	x	8 111
Centrifugal cream separators	p/st	28.93.11	..	..	..
Dairy machinery	p/st	28.93.12	868	847	20 889
Machinery for milling or working of cereals or dried vegetables n.e.c.	p/st	28.93.13	152	231	3 576
Machinery used in the manufacture of wine, cider, fruit juices and similar beverages	p/st	28.93.14	22 457	22 153	68 889
Non-electric bakery ovens; non-domestic equipment for cooking or heating	p/st	28.93.15	3 724	3 957	5 986
Dryers for agricultural products	p/st	28.93.16	-	-	-
Machinery for the industrial preparation or manufacture of food or drink, including fats or oils	p/st	28.93.17	5 762	5 719	45 341
Machinery for preparing or making up tobacco n.e.c.	p/st	28.93.18	175	177	25 414
Machines for cleaning, sorting or grading seed, grain or dried leguminous vegetables	p/st	28.93.20	..	..	..
Parts of machinery for beverage processing	thous. BGN	28.93.31	x	x	..
Parts of machinery for food processing	thous. BGN	28.93.32	x	x	26 444
Parts of machinery for tobacco processing	thous. BGN	28.93.33	x	x	..

Parts of machines for cleaning, sorting or grading seed, grain or dried leguminous vegetables	thous. BGN	28.93.34	x	x	..
Machines for extruding, drawing, texturing or cutting man-made textile materials; machines for preparing textile fibres	p/st	28.94.11	-	-	-
Textile spinning machines; textile doubling, twisting, winding or reeling machines	p/st	28.94.12	-	-	-
Weaving machines	p/st	28.94.13	-	-	-
Knitting machines; stitch-bonding machines and similar machines; machines for tufting	p/st	28.94.14	..	..	..
Auxiliary machinery for use with machines for working textiles; textile printing machinery	#	28.94.15	x	x	-
Machinery for washing, cleaning, wringing, ironing, pressing, dyeing, reeling and the like of textile yarn and fabrics; machinery for finishing of felt	#	28.94.21	x	x	-
Laundry-type washing machines; dry-cleaning machines; drying machines, with a capacity > 10 kg	p/st	28.94.22	-	-	-
Centrifugal clothes dryers	p/st	28.94.23	-	-	-
Sewing machines, except book sewing machines and household sewing machines	p/st	28.94.24	..	..	..
Machinery for working hides, skins or leather or for making or repairing footwear and other articles	p/st	28.94.30	-	-	-
Sewing machines of the household type	p/st	28.94.40	-	-	-
Parts and accessories of machines for spinning and weaving	#	28.94.51	x	x	..
Parts of machinery for other production of textiles and apparel and for the working of leather	#	28.94.52	x	x	..
Machinery for paper and paperboard production, except parts thereof	p/st	28.95.11	..	..	..
Parts of machinery for paper and paperboard production	thous. BGN	28.95.12	x	x	..
Machinery n.e.c. for working plastics and rubber or for the manufacture of products from these materials	p/st	28.96.10	699	698	16 904
Parts for machinery n.e.c. for working plastics and rubber or for the manufacture of products from these materials	thous. BGN	28.96.20	x	x	6 829
Book-binding machinery, including book-sewing machines	p/st	28.99.11	..	..	899
Machinery, apparatus and equipment, for type-setting, for preparing or making printing blocks, plates	p/st	28.99.12	..	..	..
Offset printing machinery, excluding those of the office type	p/st	28.99.13	-	-	-
Other printing machinery, excluding those of the office type	p/st	28.99.14	..	..	..
Machines and apparatus of a kind used solely or principally for the manufacture of semiconductor boules or wafers, semiconductor devices, electronic integrated circuits or flat panel displays	p/st	28.99.20	-	-	-
Dryers for wood, paper pulp, paper or paperboard; non-domestic dryers n.e.c.	p/st	28.99.31	..	..	..

Roundabouts, swings, shooting galleries and other fairground amusements	thous. BGN	28.99.32	x	x	..
Aircraft launching gear; deck-arrestors or similar gear; tyre balancing equipment; special-purpose machinery n.e.c.	#	28.99.39	x	x	36 704
Parts of printing and book-binding machinery	thous. BGN	28.99.40	x	x	..
Parts of machines and apparatus of a kind used solely or principally for the manufacture of semiconductor boules or wafers, semiconductor devices, electronic integrated circuits or flat panel displays	thous. BGN	28.99.51	x	x	..
Parts of other special-purpose machinery	thous. BGN	28.99.52	x	x	69 527
Spark-ignition reciprocating internal combustion piston engines for vehicles, of a cylinder capacity ≤ 1 000 cm <sup>3</sup>	p/st	29.10.11	-	-	-
Spark-ignition reciprocating internal combustion piston engines for vehicles, of a cylinder capacity > 1 000 cm <sup>3</sup>	p/st	29.10.12	-	-	-
Compression-ignition internal combustion piston engines for vehicles	p/st	29.10.13	-	-	-
Vehicles with spark-ignition engine of a cylinder capacity ≤ 1 500 cm <sup>3</sup>	p/st	29.10.21	-	-	-
Vehicles with spark-ignition engine of a cylinder capacity > 1 500 cm <sup>3</sup>	p/st	29.10.22	-	-	-
Vehicles with compression-ignition internal combustion piston engine (diesel or semi-diesel)	p/st	29.10.23	-	-	-
Other motor vehicles for the transport of persons	p/st	29.10.24	..	..	..
Motor vehicles for the transport of 10 or more persons	p/st	29.10.30	-	-	-
Goods vehicles, with compression-ignition internal combustion piston engine (diesel or semi-diesel)	p/st	29.10.41	-	-	-
Goods vehicles, with spark-ignition internal combustion piston engine; other goods vehicles	p/st	29.10.42	..	..	..
Road tractors for semi-trailers	p/st	29.10.43	-	-	-
Chassis fitted with engines, for motor vehicles	p/st	29.10.44	..	..	..
Crane lorries	p/st	29.10.51	-	-	-
Vehicles for travelling on snow, golf cars and the like, with engines	p/st	29.10.52	-	-	-
Special-purpose motor vehicles n.e.c.	p/st	29.10.59	..	..	..
Bodies for motor vehicles	p/st	29.20.10	..	63	3 167
Containers specially designed for carriage by one or more modes of transport	p/st	29.20.21	1 135	3 052	11 669
Trailers and semi-trailers of the caravan type, for housing or camping	p/st	29.20.22	..	..	600
Other trailers and semi-trailers	p/st	29.20.23	699	691	5 939
Parts of trailers, semi-trailers and other vehicles, not mechanically propelled	#	29.20.30	x	x	9 972

Ignition wiring sets and other wiring sets of a kind used in vehicles, aircraft or ships	kg	29.31.10	24 847 419	22 761 517	653 424
Sparking plugs; ignition magnetos; magneto-dynamos; magnetic flywheels; distributors; ignition coils	#	29.31.21	x	x	..
Starter motors and dual purpose starter-generators; other generators and other equipment	kg	29.31.22	..	..	..
Electrical signalling equipment, windscreen wipers, defrosters and demisters for motor vehicles and motorcycles	#	29.31.23	x	x	..
Parts of other electrical equipment for motor vehicles and motorcycles	thous. BGN	29.31.30	x	x	756 112
Seats for motor vehicles	p/st	29.32.10	..	..	..
Safety seat belts, airbags and parts and accessories of bodies	#	29.32.20	x	x	169 320
Parts and accessories n.e.c., for motor vehicles	#	29.32.30	x	x	495 189
Cruise ships, excursion boats and similar vessels for the transport of persons; ferry-boats of all kinds	CGT	30.11.21	-	-	-
Tankers for the transport of crude oil, oil products, chemicals, liquefied gas	CGT	30.11.22	-	-	-
Refrigerated vessels, except tankers	CGT	30.11.23	-	-	-
Dry cargo ships	CGT	30.11.24	-	-	-
Fishing vessels; factory ships and other vessels for processing or preserving fishery products	CGT	30.11.31	-	-	-
Tugs and pusher craft	CGT	30.11.32	-	-	-
Dredgers; light-vessels, floating cranes; other vessels	CGT	30.11.33	-	-	-
Offshore vessels and infrastructure	#	30.11.40	x	x	-
Other floating structures (including rafts, tanks, coffer-dams, landing stages, buoys and beacons)	p/st	30.11.50	..	..	..
Conversion and reconstruction of ships, floating platforms and structures	thous. BGN	30.11.91	x	x	..
Fitting out services of ships and floating platforms and structures	thous. BGN	30.11.92	x	x	..
Sailboats (except inflatable) for pleasure or sports, with or without auxiliary motor	p/st	30.12.11	-	-	-
Inflatable vessels for pleasure or sports	p/st	30.12.12	-	-	-
Other vessels for pleasure or sports; rowing boats and canoes	p/st	30.12.19	..	..	..
Rail locomotives powered from an external source of electricity	p/st	30.20.11	-	-	-
Diesel-electric locomotives	p/st	30.20.12	-	-	-
Other rail locomotives; locomotive tenders	p/st	30.20.13	..	..	..
Self-propelled railway or tramway coaches, vans and trucks, except maintenance or service vehicles	p/st	30.20.20	-	-	-
Railway or tramway maintenance or service vehicles	p/st	30.20.31	-	-	-
Railway or tramway passenger coaches, not self-propelled; luggage vans and other specialised vans	p/st	30.20.32	-	-	-
Railway or tramway goods vans and wagons, not self-propelled	p/st	30.20.33	1 203	1 203	188 187
Parts of railway or tramway locomotives or rolling-stock; mechanical traffic control equipment	#	30.20.40	x	x	..

Reconditioning and fitting out services ("completing") of railway and tramway locomotives and rolling-stock	thous. BGN	30.20.91	x	x	53 880
Aircraft spark-ignition engines	p/st	30.30.11	-	-	-
Turbo-jets and turbo-propellers	p/st	30.30.12	-	-	-
Reaction engines, excluding turbo-jets	p/st	30.30.13	-	-	-
Ground flying trainers and parts thereof	thous. BGN	30.30.14	x	x	..
Parts for aircraft spark-ignition engines	thous. BGN	30.30.15	x	x	-
Parts of turbo-jets or turbo-propellers	thous. BGN	30.30.16	x	x	-
Balloons and dirigibles; gliders, hang gliders and other non-powered aircraft	p/st	30.30.20	..	..	..
Helicopters	p/st	30.30.31	..	..	..
Aeroplanes and other aircraft, of an unladen weight ≤ 2 000 kg	p/st	30.30.32	..	-	-
Aeroplanes and other aircraft, of an unladen weight > 2 000 kg but ≤ 15 000 kg	p/st	30.30.33	-	-	-
Aeroplanes and other aircraft, of an unladen weight > 15 000 kg	p/st	30.30.34	-	-	-
Spacecraft (including satellites) and spacecraft launch vehicles	kg	30.30.40	-	-	-
Other parts of aircraft and spacecraft	thous. BGN	30.30.50	x	x	..
Overhaul and conversion services of aircraft and aircraft engines	thous. BGN	30.30.60	x	x	-
Motorcycles and cycles with an auxiliary motor with reciprocating internal combustion piston engine ≤ 50 cm <sup>3</sup>	p/st	30.91.11	-	-	-
Motorcycles with reciprocating internal combustion piston engine > 50 cm <sup>3</sup>	p/st	30.91.12	-	-	-
Motorcycles n.e.c.; side-cars	p/st	30.91.13	286 143	277 112	492 112
Parts and accessories of motorcycles and side-cars	thous. BGN	30.91.20	x	x	..
Spark-ignition reciprocating internal combustion piston engines for motorcycles, of a cylinder capacity ≤ 1 000 cm <sup>3</sup>	p/st	30.91.31	-	-	-
Spark-ignition reciprocating internal combustion piston engines for motorcycles, of a cylinder capacity > 1 000 cm <sup>3</sup>	p/st	30.91.32	-	-	-
Bicycles and other cycles, not motorised	p/st	30.92.10	437 806	484 274	206 417
Invalid carriages, excluding parts and accessories	p/st	30.92.20	..	..	..
Parts and accessories of bicycles and other cycles, not motorised, and of invalid carriages	#	30.92.30	x	x	..
Baby carriages and parts thereof	#	30.92.40	x	x	..
Other transport equipment n.e.c.	p/st	30.99.10	..	..	..
Seats, primarily with metal frames	p/st	31.00.11	..	..	..
Seats, primarily with wooden frames	p/st	31.00.12	1 471 608	1 545 061	127 370
Other seats	p/st	31.00.13	..	..	..
Parts of seats	thous. BGN	31.00.14	x	x	86 095

Parts of furniture (except seats)	thous. BGN	31.00.20	x	x	16 183
Metal furniture of a kind used in offices	p/st	31.01.11	113 608	115 927	7 226
Wooden furniture of a kind used in offices	p/st	31.01.12	213 849	209 424	46 447
Wooden furniture for shops	p/st	31.01.13	115 467	121 597	48 211
Kitchen furniture	p/st	31.02.10	343 604	296 420	60 131
Mattress supports	p/st	31.03.11	..	..	27 405
Mattresses, excluding mattress supports	p/st	31.03.12	1 020 859	1 002 235	100 766
Metal furniture n.e.c.	kg	31.09.11	10 178 839	9 321 687	52 912
Wooden furniture of a kind used in the bedroom, in the dining room and in the living room	p/st	31.09.12	1 897 829	1 855 898	287 567
Wooden furniture n.e.c.	p/st	31.09.13	632 314	527 471	96 946
Furniture of plastics or other materials (e.g., cane, osier or bamboo)	p/st	31.09.14	131 276	130 833	18 650
Coins	kg	32.11.10	..	..	..
Cultured pearls, precious or semi-precious stones, including synthetic or reconstructed, worked but not set	thous. BGN	32.12.11	x	x	-
Industrial diamonds, worked; dust and powder of natural or synthetic precious or semi-precious stones	thous. BGN	32.12.12	x	x	-
Articles of jewellery and parts thereof; articles of goldsmiths' or silversmiths' wares and parts thereof	thous. BGN	32.12.13	x	x	9 498
Other articles of precious metal; articles of natural or cultured pearls, precious or semi precious stones	thous. BGN	32.12.14	x	x	-
Imitation jewellery and related articles	kg	32.13.10	..	..	..
Pianos and other keyboard stringed musical instruments	p/st	32.20.11	-	-	-
Other string musical instruments	p/st	32.20.12	..	..	..
Keyboard pipe organs, harmoniums and similar instruments; accordions and similar instruments; mouth organs; wind instruments	p/st	32.20.13	-	-	-
Musical or keyboard instruments, the sound of which is produced, or must be amplified, electrically	p/st	32.20.14	..	..	..
Other musical instruments	p/st	32.20.15	..	..	..
Metronomes, tuning forks and pitch pipes; mechanisms for musical boxes; musical instrument strings	thous. BGN	32.20.16	x	x	-
Parts and accessories of musical instruments	thous. BGN	32.20.20	x	x	1 075
Snow-skis and other snow-ski equipment, except footwear; ice skates and roller skates; parts thereof	#	32.30.11	x	x	..
Snow-ski footwear	pa	32.30.12	-	-	-
Water-skis, surfboards, sailboards and other water-sport equipment	thous. BGN	32.30.13	x	x	..
Gymnasium, fitness centre or athletics articles and equipment	thous. BGN	32.30.14	x	x	22 221
Other articles and equipment for sports or outdoor games; swimming pools and paddling pools	#	32.30.15	x	x	..

Fishing rods, other line fishing tackle; articles for hunting or fishing n.e.c.	thous. BGN	32.30.16	x	x	5 056
Dolls representing only human beings	p/st	32.40.11	..	..	..
Toys representing animals or non-human creatures	p/st	32.40.12	1 156 197	1 063 250	3 595
Parts and accessories of dolls representing human beings	thous. BGN	32.40.13	x	x	-
Toy trains and their accessories; other reduced-size models or construction sets and constructional toys	thous. BGN	32.40.20	x	x	..
Wheeled toys designed to be ridden by children; dolls' carriages	p/st	32.40.31	-	-	-
Puzzles	p/st	32.40.32	..	..	..
Games and toys n.e.c.	thous. BGN	32.40.39	x	x	..
Playing cards	kg	32.40.41	-	-	-
Articles for billiards, articles for funfair, table or parlour games; other games, coin- or disc-operated	#	32.40.42	x	x	180 226
Instruments and appliances used in dental treatment	p/st	32.50.11	379 672	385 172	1 871
Medical, surgical or laboratory sterilisers	p/st	32.50.12	..	542	293
Syringes, needles, catheters, cannulae and the like; ophthalmic and other instruments and appliances n.e.c.	p/st	32.50.13	38 705 927	37 923 030	26 606
Therapeutic instruments and appliances; breathing appliances	p/st	32.50.21	..	..	..
Artificial joints; orthopaedic appliances; artificial teeth; dental fittings; artificial parts of the body n.e.c.	#	32.50.22	x	x	26 182
Parts and accessories of prostheses and orthopaedic appliances	thous. BGN	32.50.23	x	x	5 773
Medical, surgical, dental or veterinary furniture; barbers' chairs and similar chairs and parts thereof	p/st	32.50.30	..	..	..
Contact lenses; spectacle lenses of any material	p/st	32.50.41	30 274	35 537	3 709
Spectacles, goggles and the like, corrective, protective or other	#	32.50.42	x	x	1 655
Frames and mountings for spectacles, goggles or the like	p/st	32.50.43	..	..	..
Parts of frames and mountings for spectacles, goggles or the like	thous. BGN	32.50.44	x	x	-
Other articles for medical or surgical purposes	#	32.50.50	x	x	4 315
Brooms and brushes for household cleaning	p/st	32.91.11	..	..	..
Tooth brushes, hair brushes and other toilet brushes for use on the person; artists' brushes, writing brushes and brushes for cosmetics	p/st	32.91.12	7 851 115	7 683 203	..
Other brushes n.e.c.	p/st	32.91.19	3 870 427	3 706 803	6 656
Safety headgear and other safety products	#	32.99.11	x	x	142 624
Ball point pens; felt-tipped and other porous-tipped pens and markers; propelling or sliding pencils	p/st	32.99.12	..	..	..
Indian ink drawing pens; fountain pens, stylograph pens and other pens	p/st	32.99.13	-	-	-
Sets of writing implements, pen- and pencil-holders and similar holders; parts thereof	#	32.99.14	x	x	-



Pencils, crayons, pencil leads, pastels, drawing charcoals, writing or drawing chalks and tailors' chalks	#	32.99.15	x	x	..
Slates and boards; date, sealing or numbering stamps and the like; typewriter or similar ribbons; ink-pads	p/st	32.99.16	..	..	403
Umbrellas and sun umbrellas; walking-sticks, seat-sticks and the like	p/st	32.99.21	55 444	177 291	13 957
Parts, trimmings and accessories of umbrellas, sun umbrellas, walking-sticks, seat-sticks and the like	thous. BGN	32.99.22	x	x	..
Press-fasteners, snap-fasteners, press-studs and parts thereof; buttons; slide fasteners	thous. BGN	32.99.23	x	x	2 127
Button moulds and other parts of buttons; button blanks; parts of slide fasteners	#	32.99.24	x	x	..
Products of human or animal hair; similar products of textile materials	kg	32.99.30	-	-	-
Cigarette lighters and other lighters; smoking pipes and cigar or cigarette holders and parts thereof	#	32.99.41	x	x	..
Parts of lighters; pyrophoric alloys; articles of combustible materials	#	32.99.42	x	x	..
Liquid or liquefied-gas fuels for lighters, in containers of a capacity $\leq 300$ cm <sup>3</sup>	p/st	32.99.43	..	..	..
Festive, carnival or other entertainment articles, including conjuring tricks and novelty jokes	thous. BGN	32.99.51	x	x	6 003
Scent sprays and mounts and heads therefor	kg	32.99.52	-	-	-
Instruments, apparatus and models designed for demonstrational purposes	kg	32.99.53	45 674	45 674	2 512
Candles, tapers and the like	kg	32.99.54	1 545 515	1 577 732	6 827
Artificial flowers, foliage and fruit and parts thereof	thous. BGN	32.99.55	x	x	..
Other miscellaneous articles n.e.c.	#	32.99.59	x	x	..
Repair and maintenance services of tanks, reservoirs and containers of metal	thous. BGN	33.11.12	x	x	5 457
Repair and maintenance services of steam generators, except central heating hot water boilers	thous. BGN	33.11.13	x	x	21 364
Repair and maintenance services of other fabricated metal products	thous. BGN	33.11.19	x	x	491
Repair and maintenance services of engines and turbines, except aircraft, vehicle and cycle engines	thous. BGN	33.12.11	x	x	95 805
Repair and maintenance services of fluid power equipment, other pumps, compressors, taps and valves	thous. BGN	33.12.12	x	x	..
Repair and maintenance services of ovens, furnaces and furnace burners	thous. BGN	33.12.14	x	x	3 057
Repair and maintenance services of lifting and handling equipment	thous. BGN	33.12.15	x	x	31 830
Repair and maintenance services of non-domestic cooling and ventilation equipment	thous. BGN	33.12.18	x	x	31 004

Repair and maintenance services of other general-purpose machinery n.e.c.	thous. BGN	33.12.19	x	x	25 658
Repair and maintenance services of agricultural and forestry machinery	thous. BGN	33.12.21	x	x	4 169
Repair and maintenance services of metal forming machinery and machine tools	thous. BGN	33.12.22	x	x	7 075
Repair and maintenance services of machinery for metallurgy	thous. BGN	33.12.23	x	x	17 782
Repair and maintenance services of machinery for mining, quarrying and construction	thous. BGN	33.12.24	x	x	15 509
Repair and maintenance services of machinery for food, beverage and tobacco processing	thous. BGN	33.12.25	x	x	10 732
Repair and maintenance services of machinery for textile, apparel and leather production	thous. BGN	33.12.26	x	x	2 362
Repair and maintenance services of machinery for paper and paperboard production	thous. BGN	33.12.27	x	x	1 679
Repair and maintenance services of machinery for plastics and rubber	thous. BGN	33.12.28	x	x	1 767
Repair and maintenance services of other special-purpose machinery	thous. BGN	33.12.29	x	x	74 229
Repair and maintenance services of instruments and appliances for measuring, testing and navigation	thous. BGN	33.13.11	x	x	18 697
Repair and maintenance services of irradiation, electromedical and electrotherapeutic equipment	thous. BGN	33.13.12	x	x	43 748
Repair and maintenance services of professional optical instruments and photographic equipment	thous. BGN	33.13.13	x	x	-
Repair and maintenance services of other professional electronic equipment	thous. BGN	33.13.19	x	x	9 858
Repair and maintenance of electric motors, generators, transformers and electricity distribution and control apparatus	thous. BGN	33.14.11	x	x	42 091
Repair and maintenance services of other professional electrical equipment	thous. BGN	33.14.19	x	x	19 261
Repair and maintenance services of ships and boats	thous. BGN	33.15.10	x	x	316 135
Repair and maintenance services of aircraft and spacecraft	thous. BGN	33.16.10	x	x	183 491
Repair and maintenance services of railway locomotives and rolling-stock	thous. BGN	33.17.11	x	x	18 383
Repair services of other equipment	thous. BGN	33.19.10	x	x	2 394
Installation services of steam generators, except central heating hot water boilers, including installation services for metal pipe systems in industrial plants	thous. BGN	33.20.11	x	x	7 148
Installation services of office and accounting machinery	thous. BGN	33.20.21	x	x	..

Installation services of other general-purpose machinery n.e.c.	thous. BGN	33.20.29	x	x	..
Installation services of industrial machinery and equipment for agriculture	thous. BGN	33.20.31	x	x	1 723
Installation services of metal forming machinery	thous. BGN	33.20.32	x	x	..
Installation services of industrial machinery and equipment for metallurgy	thous. BGN	33.20.33	x	x	..
Installation services of industrial machinery and equipment for mining	thous. BGN	33.20.34	x	x	77
Installation services of industrial machinery and equipment for food, beverages and tobacco processing	thous. BGN	33.20.35	x	x	5 243
Installation services of industrial machinery and equipment for textiles, apparel and leather production	thous. BGN	33.20.36	x	x	..
Installation services of industrial machinery and equipment for paper and paperboard production	thous. BGN	33.20.37	x	x	-
Installation services of industrial machinery and equipment for plastic and rubber production	thous. BGN	33.20.38	x	x	-
Installation services of other special-purpose machinery	thous. BGN	33.20.39	x	x	22 989
Installation services of professional medical machinery and precision and optical instruments	thous. BGN	33.20.41	x	x	-
Installation services of professional electronic equipment	thous. BGN	33.20.42	x	x	29 885
Installation services of electrical equipment	thous. BGN	33.20.50	x	x	..
Installation services of industrial process control equipment	thous. BGN	33.20.60	x	x	12 433
Installation services of other goods n.e.c.	thous. BGN	33.20.70	x	x	..
Metal secondary raw materials	kg	38.32.20	13 772 748	12 507 140	9 942
Non-metal secondary raw materials	kg	38.32.30	11 168 464	11 424 422	17 330
Due to the specific character of the survey, published data are subject to continuous review and updating to improve the quality of the disseminated data.					

Source: NSI

The following table shows the exports and imports of chemicals and products, according to the Standard Foreign Trade Classification (SITC) in BGN million. for the period January and February 2021 and 2022. In 2022 for the months of January and February Bulgaria exported chemical products by almost 38% more than for the same period of the previous year. Unfortunately, the data show that Bulgaria's trade balance for this period in this product group is negative, which means that the country has imported chemical products worth BGN 45 million more than it exported.

Table 7: EXPORTS, IMPORTS AND TRADE BALANCE OF BULGARIA BY SECTORS OF THE STANDARD FOREIGN TRADE CLASSIFICATION

<b>EXPORTS, IMPORTS AND TRADE BALANCE OF BULGARIA BY SECTORS OF THE STANDARD FOREIGN TRADE CLASSIFICATION (SITC, REV. 4) IN JANUARY 2021<sup>1</sup> AND 2022<sup>1</sup></b>								
SITC sectors	EXPORT - FOB			IMPORT - CIF			Trade balance - FOB / CIF	
	2021	2022	change compared to the same period of the previous year -%	2021	2022	change compared to the same period of the previous year -%	2021	2022
	million levs			million levs			million levs	
TOTAL	4 761.1	6 219.7	30.6	5 050.6	7 640.2	51.3	-289.5	-1 420.5
Including. EU	3 310.9	4 217.0	27.4	3 129.9	4 149.1	32.6	181.0	67.9
Chemical substances and products	521.7	827.2	58.6	834.4	1 173.5	40.6	-312.7	-346.3
Including. EU	323.7	510.9	57.8	643.6	883.8	37.3	-319.9	-372.9

<sup>1</sup> Preliminary data of the NSI as of 14.03.2022

Source: National Statistical Institute

Table 8: EXPORTS, IMPORTS AND TRADE BALANCE OF BULGARIA WITH THIRD COUNTRIES BY SECTORS OF THE STANDARD FOREIGN TRADE CLASSIFICATION

<b>BULGARIA'S EXPORTS, IMPORTS AND TRADE BALANCE WITH THIRD COUNTRIES BY SECTORS OF THE STANDARD FOREIGN TRADE CLASSIFICATION (SITC, REV. 4) DURING THE PERIOD JANUARY-FEBRUARY 2021<sup>1</sup> AND 2022<sup>1</sup></b>								
SITC sectors	EXPORT - FOB			IMPORT - CIF			TRADE BALANCE- FOB/CIF	
	2021	2022	change compared to the same period of the previous year -%	2021	2022	change compared to the same period of the previous year -%	2021	2022
	million levs			million levs			million levs	
Third countries - Total	3 194.1	4 277.2	33.9	3 919.5	6 792.7	73.3	-725.4	-2 515.5
Third countries - Chemicals and products	425.8	586.2	37.7	381.6	631.6	65.5	44.2	-45.0

<sup>1</sup> Preliminary data of the NSI as of 14.03.2022.

Source: National Statistical Institute.

This conclusion is confirmed by the comparative tables for import and export of chemical products and their accompanying substances by years from 2017 to 2021, which shows that although Bulgaria's exports of chemicals to the world market in the last year increased, then imports marked a much more significant growth and the balance remained negative.

Table 9: Indicators of Bulgaria in trade in chemical products and related to the European market

Extra-EU27 (or 2020) trade of chemicals and related products by Member State (Bulgaria)

	2017	2018	2019	2020	2021
Share of total imports	0,5	0,5	0,5	0,5	0,6
Share of total exports	0,3	0,3	0,3	0,3	0,3
Imports (million euros)	11061,4	1160,2	1216,8	1137,7	1533,6
Exports (million euros)	1124,7	1187,6	1365,6	1305,0	1379,7
Trade balance (million euros)	63,3	27,4	148,8	167,3	-153,9

Source: Eurostat

Table 10: Indicators of Bulgaria in trade in chemical products and related on the world market

	2017	2018	2019	2020	2021
Imports (million euros)	4292,5	4498,4	4766,4	4675,7	6057,4
Exports (million euros)	2764,4	2907,6	3258,8	3267,1	4018,8
Trade balance (million euros)	-1528,1	-1590,8	-1507,6	-1408,6	-2038,6

Source: Eurostat

The following tables clearly state that Bulgarian chemical products are well accepted on the world market. Bulgaria exports chemical raw materials to more than 150 countries in the world, and the list of the five best partners includes countries such as Romania, the Russian Federation, Germany, the Netherlands and France. The largest increase was recorded in our exports to our western neighbors Serbia and Montenegro, and the strongest decline was observed in the exports of Bulgarian chemicals to the United States and Spain.

Table 11: EXPORTS FROM BULGARIA OF CHEMICALS FOR 2019 BY COUNTRY / REGION (total 166 partners) \*

Partners:	Export (in thousands of US \$)	Exports - Shares (%)	World growth (%)	Country growth (%)
The world	3005346.89	8.98		
Europe and Central Asia	2525917.08	9.21		
Romania	457178.40	15.72	3.15	9.33
The Russian Federation	233211.07	39.66	6.67	6.24
Germany	228366.66	4.63	-2.18	-2.38
The Netherlands	169752.07	20.04	2.15	10.17
France	119574.36	9.48	-1.28	12.15
Ukraine	117305.05	30.74		
Hungary	106409.76	18.43	-1.16	2.58
Greece	106102.68	4.72	1.63	-0.7
Turkey	100559.51	4.14	2.2	3.27
Italy	98250.13	4.01	-0.81	7.39
Serbia / Montenegro,	94474.98	11.95	3.18	28.17
Great Britain	89520.47	11.43	-3.03	-0.33
USA	83304.57	13.13	2.38	-25.78
Spain	60251.6	6.62	0.01	31.97

Poland	50032.91	6.93	-6.38	-11.99
India	44665.22	35.03	-9.41	-1.17

Source: World Bank

Bulgaria imports chemical products from more than 90 countries, and among our strongest partners are again Germany, Hungary, the Netherlands, Romania and France.

Table 12: IMPORTS IN BULGARIA OF CHEMICALS FOR 2019 BY COUNTRY / REGION (total 92 partners) \*

Partners:	Imports (in thousands of US \$)	Import - Shares (%)
The world	4011244.34	10.62
Europe and Central Asia	3623906.65	11.25
Germany	496414.21	10.95
Hungary	329749.74	24.70
The Netherlands	293397.94	21.73
Romania	279116.61	10.35
France	233076.19	20.59
Spain	211580.03	14.90
Italy	211338.51	7.53
Poland	169289.18	13.18
East Asia and the Pacific	151827.32	5.53
Austria	150538.13	15.99
Switzerland	142376.99	48.96
Belgium	141265.91	19.65
China	121164.03	7.11
Greece	116730.02	6.73
Slovenia	109413.03	36.39
Middle East and North Africa	108562.78	8.59
Turkey	106378.65	4.32
Ireland	105949.13	51.96
South Asia	87626.28	38.67
India	87488.93	46.6

Source: World Bank

#### Manufacturers in the chemical industry in Bulgaria

Table 13: Production of refined petroleum products and briquettes from coal and peat (1920) by 2020.

Name	Lukoil Neftochim Burgas	Lubrika Avtomation	Avtoman	Prolet	Paldin Bags	Vipi capital	BPR	Kamashit - 98 Grand	Grand Gepard	Plama Oils	Eco Solar Kula
UIC	812114069	117015709	130268914	831194080	201123666	118551898	131184930	118036019	103774596	130207220	105583180
Date of	25.11.1991	12.6.	12.4.	7.4.	20.4.	25.2.	6.1.	17.4.	13.8.	16.2.	20.12.

incorporation		1996	2000	1992	2010	2004	2004	1998	2002	2000	2006
Legal Form	AD	OOD	EODD	EODD	OOD	AD	EODD	AD	EODD	OOD	OOD
Address	Burgas	Ruse	Sofia	Dimitrov grad	Plovdiv	s.Mramor	Sofia	Silistra	Varna	Pleven	-
Revenues	2 983 018 000	10 126 000	8 958 000	7 168 000	4 449 000	2 762 000	2 569 000	647 000	457 000	389 000	-
Number of employees	1 323	-	15	281	-	-	40	38	14	-	-
Operating expenses (BGN)	3 506 576 000	9 208 000	9 220 000	6 750 000	3 841 000	2 604 000	2 250 000	720 000	411 000	-	-
Result of the operational activity (BGN)	-523 558 000	918 000	-262 000	418 000	608 000	158 000	319 000	- 73 000	46 000	32 000	-
Net result for the reporting period (BGN)	-509 301 000	504 000	15 000	349 000	514 000	157 000	148 000	-68 000	39 000	28 000	-
Amount of the asset (BGN)	3 828 123 000	24 546 000	7 873 000	4 936 000	1 713 000	5 618 000	6 797 000	1 055 000	1 261 000	435 000	-
Capital (BGN)	1 987 307 000	12 442 000	2 160 000	3 545 000	1 503 000	76 000	1 196 000	407 000	1 246 000	-777 000	-
Current assets (BGN)	673 369 000	11 103 000	6 500 000	1 567 000	1 466 000	1 500 000	1 705 000	121 000	923 000	-	-
Obligations (BGN)	1 829 890 000	12 104 000	5 678 000	589 000	210 000	5 542 000	5 554 000	143 000	15 000	-	-

Table 14: Production of other rubber products (2219) by 2020

Name	Teklas Bulgaria	Neoparl Bulgaria	Standart profile Bulgaria	Tukai Bulgaria	Kauchuk	Ekon-91
UIC	108574585	124526052	123666763	118585306	822105378	117008223
Date of incorporation	7.6.2004	5.10.2000	27.5.2004	6.8.2007	26.10.2006	7.2.1996
Legal form	EAD	EODD	EAD	EODD	AD	OOD
Address	Kardzhali	Dobrich	Stara Zagora	s.Aidemir	Sofia	Ruse
Revenues (BGN)	463 966 000	82 383 000	67 315 000	43 563 000	25 798 000	23 862 000
Number of employees	-	334	-	-	-	-
Operating expenses (BGN)	382 723 000	80 231 000	61 736 000	41 264 000	25 572 000	23 333 000
Result of the operational activity (BGN)	81 243 000	2 152 000	5 579 000	2 299 000	226 000	529 000
Net result for the	72 016 000	728 000	4 557 000	1 951 000	234 000	289 000



reporting period (BGN)						
Amount of the asset (BGN)	376 511 000	61 158 000	101 403 000	30 268 000	47 838 000	18 335 000
Capital (BGN)	251 983 000	9 981 000	46 634 000	14 529 000	38 434 000	4 269 000
Current Asset	290 200 000	29 310 000	31 809 000	20 239 000	27 651 000	10 890 000
Obligations (BGN)	120 642 000	51 177 000	31 246 000	15 513 000	6 359 000	11 780 000

Table 15: Production of other plastic products (2229) by 2020

Name	Plasthim-T	Areksim Engeneering
UIC	124000839	203029781
Date of incorporation	24.1.1996	21.4.2014
Legal Form	AD	EAD
Address	Tervel	Smolyan
Revenues (BGN)	340 376 000	55 724 000
Number of employees	1058	-
Operating expenses (BGN)	301 980 000	53 297 000
Result of the operational activity (BGN)	38 396 000	2 427 000
Net result for the reporting period (BGN)	32 131 000	1 734 000
Amount of the asset	215 232 000	48 768 000
Capital (BGN)	72 523 000	15 613 000
Current Asset (BGN)	88 721 000	16 507 000
Obligations (BGN)	137 092 000	30 960 000

Table 16: Production of plastic packaging (2222) by 2020

Name	GOTMAR	EXTRAPA	RETAL BALKAN	ATE PLAST	ITD	POLI GROUP	TERAHIM 94
UIC	115076001	814228908	175182817	833105098	115032923	115353345	107596408
Date of incorporation	18.9.1996	28.3.1995	1.12.2006	4.11.1994	18.4.1996	8.10.1999	28.1.2008
Legal Form	EOOD	OOD	EOOD	OOD	EOOD	OOD	AD
Address	Saedinenie	Veliko Tarnovo	Sliven	Stara Zagora	Saedinenie	Asenovgrad	Gabrovo
Revenues (BGN)	151 181 000	76 979 000	55 119 000	41 754 000	39 932 000	23 918 000	23 250 000
Number of employees	-	712	68	195	-	-	96
Operating expenses (BGN)	142 949 000	67 161 000	50 698 000	40 113 000	37 324 000	20 717 000	22 406 000
Result of the operational activity (BGN)	8 232 000	9 818 000	4 421 000	1 641 000	2 608 000	3 201 000	844 000
Net result for the reporting period (BGN)	7 147 000	8 428 000	4 104 000	888 000	2 144 000	2 765 000	657 000
Amount of the asset	201 753 000	79 722 000	35 635 000	27 680 000	35 838 000	26 803 000	20 832 000
Capital (BGN)	106 059 000	52 390 000	11 446 000	6 610 000	15 943 000	17 126 000	14 032 000
Current Asset (BGN)	97 749 000	22 272 000	16 030 000	11 684 000	16 840 000	14 518 000	9 175 000
Obligations (BGN)	92 361 000	24 301 000	24 031 000	20 314 000	17 002 000	7 921 000	6 167 000

Table 17: Production of tires and inner tubes, retreading of pneumatic tires (2211) by 2020.

Name	Primex
UIC	127033207
Date of incorporation	23.4.1997
Legal Form	EOOD
Address	s.Kaspichan
Revenues (BGN)	69 721 000
Number of employees	294
Operating expenses (BGN)	67 245 000
Result of the operational activity (BGN)	2 476 000
Net result for the reporting period (BGN)	1 952 000
Amount of the asset	67 950 000
Capital (BGN)	18 451 000
Current Asset (BGN)	66 083 000
Obligations (BGN)	49 498 000

Table 18: Production of sheets, plates, pipes and profiles, from plastic (2221) by 2020.

Name	ALUPLAST JTG	PROFILINK	FIBRAN BULGARIA	WEIS PROFIL	PIPELIFE BULGARIA
UIC	102816747	115840214	121291243	131008918	115944768
Date of incorporation	3.7.2002	28.5.2004	27.1.1997	2.12.2002	25.11.2005
Legal Form	EOOD	OOD	AD	OOD	EOOD
Address	Burgas	Plovdiv	Sofia	Sofia	Botevgrad
Revenues (BGN)	60 087 000	52 453 000	47 220 000	31 247 000	25 459 000
Number of employees	-	342	76	-	78
Operating expenses (BGN)	48 995 000	49 571 000	33 758 000	30 362 000	25 456 000
Result of the operational activity (BGN)	11 116 000	2 882 000	13 462 000	885 000	3000
Net result for the reporting period (BGN)	11 116 000	2 042 000	12 083 000	324 000	- 856 000
Amount of the asset	49 056 000	54 508 000	27 336 000	35 609 000	10 851 000
Capital (BGN)	22 120 000	13 902 000	23 475 000	5 387 000	- 12 359 000
Current Asset (BGN)	35476000	24 905 000	24 255 000	31 075 000	7 662 000
Obligations (BGN)	26 936 000	39 913 000	3 861 000	30 222 000	22 886 000

Table 19: Production of plastic packaging (2522) by 2020

Name	TRACE IPOMA	MEGAPORT	ASENOVA KREPOST
UIC	121016514	104030376	115012041
Date of incorporation	20.4.1989	23.12.1992	12.8.1991
Legal Form	AD	EOOD	AD
Address	Sofia	Varna	Asenovgrad
Revenues (BGN)	40 846 000	36 525 000	25 798 000
Number of employees	160	405	108
Operating expenses (BGN)	36 762 000	33 832 000	25 572 000
Result of the operational activity (BGN)	4 084 000	2 693 000	226 000

Net result for the reporting period (BGN)	3 420 000	2 472 000	234 000
Amount of the asset	45 192 000	35 890 000	47 838 000
Capital (BGN)	31 386 000	22 591 000	38 434 000
Current Asset (BGN)	18 260 000	12 025 000	27 651 000
Obligations (BGN)	12 294 000	10 719 000	6 359 000

Table 20: Production of joinery and other plastic products for construction (2223) by 2020.

Name	COMFORT PARTNERS
UIC	148063132
Date of incorporation	6.11.2006
Legal Form	OOD
Address	Varna
Revenues (BGN)	26 186 000
Operating expenses (BGN)	25 157 000
Result of the operational activity (BGN)	1 029 000
Net result for the reporting period (BGN)	867 000
Amount of the asset	14 675 000
Capital (BGN)	8 500 000
Current Asset (BGN)	10 580 000
Obligations (BGN)	6 021 000

Table 21: Production of other chemical products not elsewhere classified (2059) by 2020

Name	ASTRA BIOPLANT	DZOBEL BULGARIA	HIGH PROTEIN	PRISTA OIL HOLDING	HMI	OBEROSTERREI CHISCHE BIODIESEL BULGARIEN GMBH
UIC	117650594	160107545	203909237	121516626	814181757	202451089
Date of incorporation	17.11.2005	3.7.2007	5.2.2016	28.7.1994	17.1.1994	20.2.2013
Legal Form	EOD	EOD	EOD	EAD	OOD	EOD
Address	Slivo Pole	s.Stryama	Ruse	Sofia	Veliko Tarnovo	Ruse
Revenues (BGN)	1 742 916 000	138 261 000	113 208 000	111 562 000	24 495 000	160 673 000
Number of employees	148	-	63	229	-	48
Operating expenses (BGN)	1 694 091 000	132 466 000	111 563 000	106 932 000	18 067 000	151 611 000
Result of the operational activity (BGN)	48 825 000	5 795 000	1 645 000	4 630 000	6 428 000	9 062 000
Net result for the reporting period (BGN)	39 460 000	18 165 000	873 000	644 000	5 713 000	3 326 000
Amount of the asset	344 127 000	287 432 000	44 362 000	219 211 000	21 989 000	199 668 000
Capital (BGN)	91 748 000	28 700 000	2 263 000	92 721 000	16 565 000	39 565 000
Current Asset (BGN)	274 012 000	252 190 000	31 481 000	60 698 000	6 496 000	147 223 000
Obligations (BGN)	252 120 000	258 397 000	42 060 000	124 982 000	5409000	159 209 000

Table 22: Production of nitrogen compounds and fertilizers (2015) as of 2020.

Name	AGROPOLIHIM	NEOHIM
UIC	813095287	836144932
Date of incorporation	9.7.1993	2.4.1990
Legal Form	AD	AD
Address	Devnya	Dimitrovgrad
Revenues (BGN)	413 373 000	228 940 000
Number of employees	664	723
Operating expenses (BGN)	370 711 000	212 473 000
Result of the operational activity (BGN)	42 662 000	16 467 000
Net result for the reporting period (BGN)	39 647 000	15 145 000
Amount of the asset	375 120 000	121 208 000
Capital (BGN)	339 009 000	94 198 000
Current Asset (BGN)	64 070 000	47 812 000
Obligations (BGN)	22 181 000	23 809 000

Table 23: Production of other basic inorganic chemicals (2013) by 2020

Name	SOLVEY SODI	KONSTINVEST	ALIFOS BULGARIA
UIC	813109388	040967273	103746636
Date of incorporation	16.7.1993	14.1.1993	1.3.2002
Legal Form	АД	ООД	ЕАД
Address	Девня	София	Девня
Revenues (BGN)	394 045 000	28 733 000	26 390 000
Number of employees	482	-	48
Operating expenses (BGN)	293 365 000	28 346 000	28 614 000
Result of the operational activity (BGN)	100 680 000	387 000	-2 224 000
Net result for the reporting period (BGN)	93 511 000	-15 000	-2 452 000
Amount of the asset	599 257 000	18 596 000	12 528 000
Capital (BGN)	485 926 000	6 067 000	7 443 000
Current Asset (BGN)	169 565 000	9 973 000	4 484 000
Obligations (BGN)	66 297 000	12 477 000	5 006 000

Table 24: Production of polymers in primary forms (2016) by 2020

Name	PANHIM	KASKADA	ORGAHIM REZINS
UIC	130163545	115813726	202723137
Date of incorporation	17.12.1999	11.11.2003	5.9.2013
Legal Form	OOD	OOD	AD
Address	Stara Zagora	Maritsa	Ruse
Revenues (BGN)	119 163 000	63 321 000	30 526 000
Number of employees	198		
Operating expenses (BGN)	104 274 000	59 900 000	28 335 000
Result of the operational activity (BGN)	14 889 000	3 421 000	2 191 000
Net result for the reporting period (BGN)	13 498 000	3 047 000	1 665 000
Amount of the asset	88 066 000	44 023 000	20 653 000
Capital (BGN)	48 681 000	37 453 000	7 190 000
Current Asset (BGN)	64 421 000	25 947 000	8 585 000

Obligations (BGN)	35 089 000	4 113 000	12 637 000
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Table 25: Production of pesticides and other agrochemicals (2020) by 2020

Name	AGRIA
UIC	115006106
Date of incorporation	21.4.1997
Legal Form	AD
Address	Plovdiv
Revenues (BGN)	118 219 000
Number of employees	
Operating expenses (BGN)	103 965 000
Result of the operational activity (BGN)	14 254 000
Net result for the reporting period (BGN)	11 108 000
Amount of the asset	185 513 000
Capital (BGN)	110 724 000
Current Asset (BGN)	68 114 000
Obligations (BGN)	71 284 000

Table 26: Production of perfumes and toiletries (2042) by 2020

Name	RUBELA BEATY	AROMA
UIC	120541377	831643066
Date of incorporation	4.3.2002	4.12.1991
Legal Form	AD	AD
Address	Rudozem	Sofia
Revenues (BGN)	85 239 000	35 604 000
Number of employees	195	-
Operating expenses (BGN)	63 750 000	32 946 000
Result of the operational activity (BGN)	21 489 000	2 658 000
Net result for the reporting period (BGN)	19 052 000	2 285 000
Amount of the asset	35 382 000	42 615 000
Capital (BGN)	30 180 000	32 587 000
Current Asset (BGN)	33 800 000	21 958 000
Obligations (BGN)	5 202 000	8 579 000

Table 27: Production of other basic organic chemicals (2014) by 2020

Name	ALMAGEST	ZAHARNI ZAVODI	VIN.S.INDUSTRIES
UIC	175340142	104051737	831280490
Date of incorporation	7.8.2007	9.8.1996	27.1.1995
Legal Form	AD	AD	OOD
Address	Sofia	Gorna Oryahovica	s.Cerkovski
Revenues (BGN)	79 007 000	68 061 000	40 519 000
Number of employees	-	438	168
Operating expenses (BGN)	65 265 000	61 290 000	37 039 000
Result of the operational activity (BGN)	13 742 000	6 771 000	3 480 000
Net result for the reporting period (BGN)	13 807 000	5 061 000	2 817 000
Amount of the asset	86 802 000	79 593 000	68 866 000
Capital (BGN)	63 597 000	21 826 000	31 560 000
Current Asset (BGN)	17 503 000	18 130 000	30 892 000

Obligations (BGN)	21 922 000	56 120 000	34 402 000
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Table 27: Production of essential oils (2053) by 2020

Name	ESETERE BULGARIA
UIC	203548993
Date of incorporation	21.5.2015
Legal Form	EOOD
Address	Dobrich
Revenues (BGN)	66 142 000
Number of employees	145
Operating expenses (BGN)	49 750 000
Result of the operational activity (BGN)	16 392 000
Net result for the reporting period (BGN)	14 979 000
Amount of the asset	57 180 000
Capital (BGN)	36 645 000
Current Asset (BGN)	48 548 000
Obligations (BGN)	20 535 000

Table 28: Production of industrial gases (2011) as of 2020

Name	ER LIKID BULGARIA
UIC	130059799
Date of incorporation	4.8.1999
Legal Form	EOOD
Address	PIRDOP
Revenues (BGN)	59 907 000
Number of employees	90
Operating expenses (BGN)	52 594 000
Result of the operational activity (BGN)	7 313 000
Net result for the reporting period (BGN)	5 417 000
Amount of the asset	87 966 000
Capital (BGN)	53 228 000
Current Asset (BGN)	16 312 000
Obligations (BGN)	28 008 000

Table 29: Production of paints, varnishes and similar products, printing ink and putties (2030) by 2020.

Name	ORGAHIM	SEN-GOBEN BULGARIA
UIC	117001047	131234803
Date of incorporation	28.6.1989	20.4.2004
Legal Form	AD	EOOD
Address	Ruse	Kostinbrod
Revenues (BGN)	59 455 000	24 509 000
Number of employees	-	-
Operating expenses (BGN)	56 748 000	25 001 000
Result of the operational activity (BGN)	2 707 000	-492 000
Net result for the reporting period (BGN)	2 027 000	-548 000
Amount of the asset	41 656 000	21 786 000
Capital (BGN)	22 603 000	16 282 000
Current Asset (BGN)	20 561 000	17 913 000
Obligations (BGN)	5 256 000	5 065 000

Table 30: Production of soaps, detergents, cleaners and polishes (2041) by 2020.

Name	MEKSON
UIC	115168282
Date of incorporation	10.10.1997
Legal Form	OOD
Address	Plovdiv
Revenues (BGN)	47 896 000
Operating expenses (BGN)	42 973 000
Result of the operational activity (BGN)	4 923 000
Net result for the reporting period (BGN)	4 411 000
Amount of the asset	12 749 000
Capital (BGN)	8 622 000
Current Asset (BGN)	11 137 000
Obligations (BGN)	4 126 000

## 5. Leading enterprises in the chemical industry

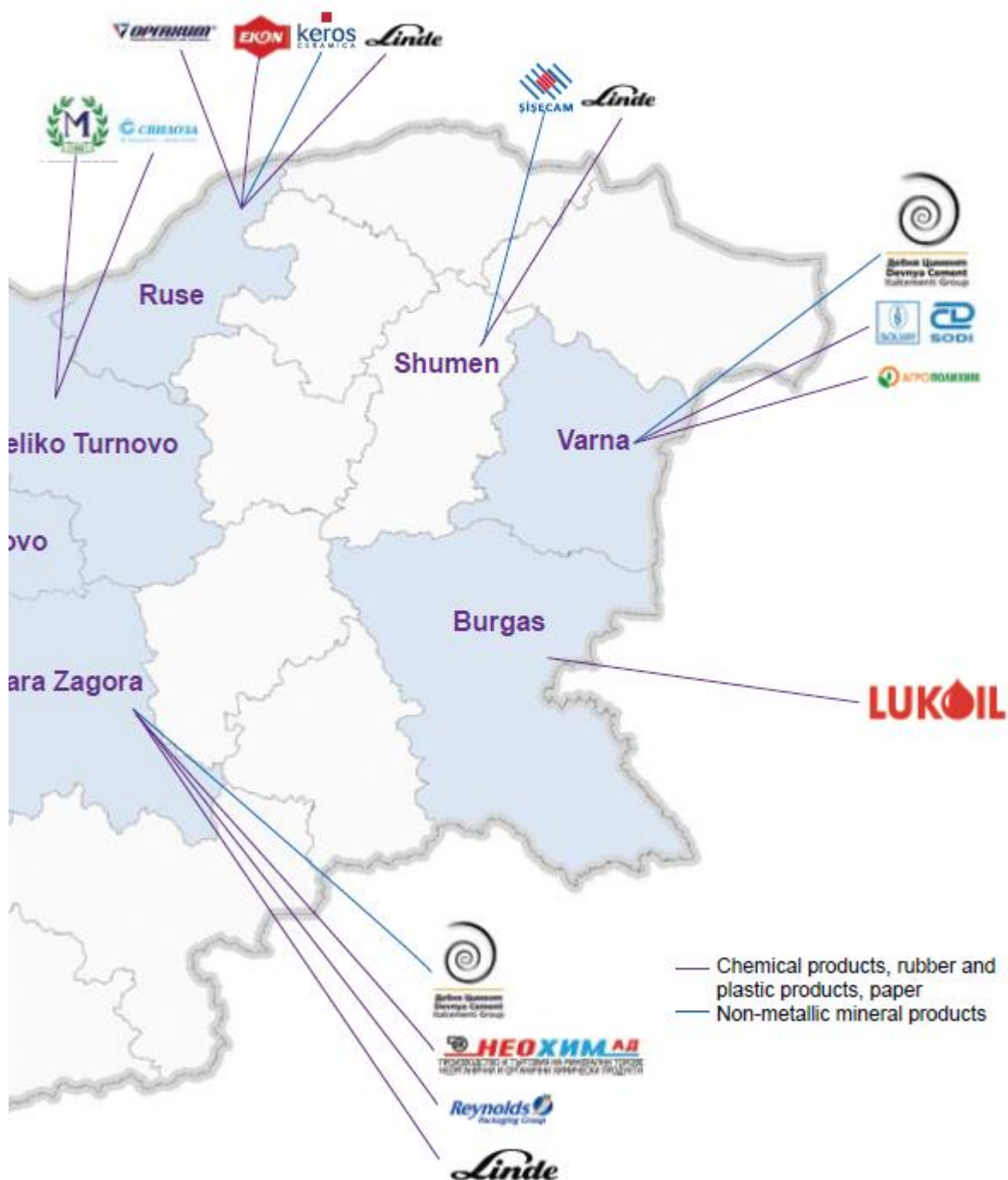
Company name	Уебсайт
LUKOIL Neftochim Burgas AD	<a href="https://neftochim.lukoil.com/bg/">https://neftochim.lukoil.com/bg/</a>
Lubrication	<a href="http://lubrica.com/bg/">http://lubrica.com/bg/</a>
Bulgarian oil refinery	<a href="http://www.bpr-bg.com/bg/all.htm">http://www.bpr-bg.com/bg/all.htm</a>
Plama Oils	<a href="https://www.plama.bg/">https://www.plama.bg/</a>
Astra bioplant	<a href="http://astrabioplant.bg/bg/home.html">http://astrabioplant.bg/bg/home.html</a>
Agropolychim AD	<a href="https://agropolychim.bg/">https://agropolychim.bg/</a>
Solvay Sodi	<a href="https://www.solvay.bg/">https://www.solvay.bg/</a>
Neochim AD	<a href="https://www.neochim.bg/">https://www.neochim.bg/</a>
Dzobele Bulgaria EOOD	<a href="https://www.zobele.com/content/zobele-bulgaria-eood">https://www.zobele.com/content/zobele-bulgaria-eood</a>
Panchim Ltd.	<a href="http://panhim.company.bg/bg/">http://panhim.company.bg/bg/</a>
Agria AD	<a href="https://agria-zenithcropsciences.com/">https://agria-zenithcropsciences.com/</a>
BULMARKET DM EOOD	<a href="https://bulmarket.bg/bg">https://bulmarket.bg/bg</a>
High Protein Ltd.	-
Oleo Protein EOOD	-
Prista Oil Group	<a href="https://www.bg.prista-oil.com/">https://www.bg.prista-oil.com/</a>
Air Liquid Bulgaria OOD	„Ер Ликид България“ ООД
Orgachim AD	<a href="https://www.orgachim.bg/">https://www.orgachim.bg/</a>
Teklas Bulgaria EAD	<a href="https://www.teklas.com/">https://www.teklas.com/</a>
Plastchim-T AD	<a href="https://plastchim-t.com/bg/">https://plastchim-t.com/bg/</a>
Neoperl Bulgaria EOOD	-
EXTRAPACK LTD	<a href="https://bags.bg">https://bags.bg</a>
Standard Profile Bulgaria EAD	<a href="https://www.standardprofil.com/en">https://www.standardprofil.com/en</a>
FIBRAN Bulgaria AD	<a href="https://fibran.bg/">https://fibran.bg/</a>
TRACE IPOMA	<a href="http://www.thracegroup.com">www.thracegroup.com</a>
Asenova Krepost AD	<a href="https://asenova-krepost.com/">https://asenova-krepost.com/</a>
Pipelife	<a href="https://www.pipelife.bg/">https://www.pipelife.bg/</a>
Terahim 97 AD	<a href="http://www.terrachim.com/">http://www.terrachim.com/</a>

# Concentration of chemical





## producers in Bulgaria by regions:



Source: Invest Bulgaria Agency



LUKOIL Neftochim Burgas AD is a high-tech, efficient and leading for Bulgaria and Europe oil refining company, certified according to ISO 9001.

The Company carries out activities for acceptance, storage and processing of various types of crude oil, which is delivered by tankers at the Rosenets terminal. Crude oil is transported by pipeline to the main site of LUKOIL Neftochim Burgas AD.

The company is a major supplier of fuel on the domestic market of the Republic of Bulgaria, as well as for a number of countries in Europe, Asia, North America and Africa. In Europe, these are: Austria, Belarus, Belgium, Spain, Italy, Luxembourg, Macedonia, Moldova, the Netherlands, Norway, Russia, Romania, Serbia, Finland, Croatia and Montenegro; in Asia: Azerbaijan, Georgia, Iraq, Kazakhstan, Turkey and Uzbekistan, in North America: Mexico and the United States, and in North Africa: Ghana, Egypt, Cameroon and Nigeria. The finished products are transported on the domestic market and in Central Europe by pipelines, by rail and road, and on the European markets, in the USA, North Africa, the Mediterranean region and Asia - by tankers.

LUKOIL Neftochim Burgas AD offers oil products that meet international quality standards and are produced in safe and environmental conditions. The company maintains high standards of social responsibility to society, the state, its partners and employees.

LUKOIL Neftochim Burgas AD produces a wide range of quality petroleum products. Among them are:

A) fuels:

- petrol: regular A92H (for export), A 92H (for export-waf), A 95H, A 95H (for export), A 95H with a bioethanol content of not less than 9%, A 98H, A 98H ( for export), A 98H with a bioethanol content of not less than 9%, A100H with a bioethanol content of not less than 9% (V / V), A100H with a biocomponent content of bioethanol and / or ethers produced by biomass) minimum 9% (V / V), low octane, low octane light, low octane heavy;

- fuels for diesel engines: fuel for diesel engines; with cloud point - minus 100C; for export; containing biodiesel B6; with content of biodiesel B6 - CP, for off-road equipment and tractors;

- fuel for JET A-1 jet engines, marine residual fuel ISO-F;

- boiler fuels: heavy, AR, AR (for export), AR with a sulfur content of 1% (M / M) (for export), AR with a sulfur content of 2.5% (for export)

- bitumens: type 50/70, type 70/100;

- tar;

B) polymers:

polypropylene buplen - homopolymer;

C) others:

- propane-butane (liquefied hydrogen gas) - light, heavy and LPG; propylene (goods); technical sulfur tablets; methyl tert-butyl ether.



LUBRIKA is a Bulgarian company, established in 1996 with the main administrative and production center in Ruse. In recent years, LUBRIKA has gained extensive experience and technical expertise in its field, which has made it one of the leading Bulgarian companies in the production of lubricants.

The company offers on the market a wide range (over 150 types of high quality petroleum products) in the form of motor

(engine and transmission oils, special fluids) and industrial oils (greases, compressor oils, special oils, metalworking, machine and gear, textile, heat transfer, transformer, turbine, hydraulic).

The latest directions of Lubrica's development include investments in innovative technologies in order to reduce production costs and permanently improve the quality of the

final product, and at the same time a serious commitment to environmental protection and maintaining high safety standards.

Through a professional attitude towards its customers, LUBRIKA has established itself as a leader in its industry, with a well-established name of a respected, trusted and preferred partner.

The main corporate clients of LUBRIKA are such companies as: Alcomet AD, Bultex -1 OOD, Brickel EAD, Balkan Agro Aviation AD, Elektrorazpredelenie - Pleven EAD, M + S Hydraulic AD, "I drank Industry AD, Toplofikatsiya - Ruse, Transstroy AD, TPP Bobov Dol and CEZ Bulgaria EAD.

Among the foreign partners of the company are names such as: "Exxon Mobile" - Italy, "INA" - Croatia, "Lubrizol" - France, "Infineum" - England, "Interferm" - Switzerland, "MALL" - Hungary and "Hi-Tech" - USA.



BULGARIAN PETROLEUM REFINERY is a company with main activity of oil and condensate processing, production of oil products, petrochemical products and the respective trade activity.

The sole owner of the capital is "Oil and Gas Exploration and Production" AD, registered with company case 4616/1991 according to the inventory of the Pleven District Court as BPR - EOOD was established in 1994 by contributing the assets of the former "Installation for oil and gas refining ", sector in" PDNG "AD. The company has a one-tier management system, has a compliant with modern requirements organizational and functional structure, which creates prerequisites for efficiency of the quality management system and implementation of the documented policy and planned objectives according to BDS EN ISO 9001.

The chemical laboratory of "Bulgarian Oil Refinery" Ltd. is an accredited testing laboratory for analysis of oil, solvents, fuels and petroleum products according to the

requirements of BDS EN ISO 17025 and offers a wide range of similar services on the national market.

The products obtained by deep processing of oil and oil condensate are solvents for the paint and varnish industry - BAS, mineral turpentine, gas oil with sulfur content up to 0.1% and boiler fuels.

It is envisaged that with the implementation of certain investment projects to start production of mineral oils. The flexibility of the atmospheric distillation plant, offering the opportunity to quickly change the technological regime, will ensure the production of a wide range of products and more fully meet the needs of consumers.



Plama Oils is a trading company established in 2000 with main activity production and distribution of motor, transmission, compressor, industrial and other oils. The sole owner of Plama Oils is Cap Nor, a company with many years of experience in implementing investment projects in Eastern Europe.

Plama Oils owns a modern plant for cutting and packaging of oils, located in the Industrial Zone of Pleven with an annual production capacity of 830 T / month and 10000 T / year in packages of 1, 5, 18 and 200 liters. The offered products are of high quality and meet both Bulgarian and international standards. The company employs over 30 highly qualified specialists with many years of experience in the field of oil production.

The company has long-standing contacts with established and leading suppliers of raw materials - Lubrizol (France), Afton Chemicals (Austria), Chevron-Oronite (USA).

The product list of the company covers the following groups of lubricating oils:

- Motor oils for two-stroke and 4-stroke petrol and diesel engines, developed in the following product lines: Gerina - for car engine models up to 1997 (petrol, diesel and gas); Diona - for older engine models; Emery - for diesel engines of locomotives, buses and trucks; Super - universal tractor oils and Dictation - for two-stroke engines;

- Transmission oils and oils for automatic transmissions: Ulita EP; Forita; Tolina; ATF flame;

- Ship oils from the Dizon (TBN = 10 mgKOH / g), Dizon T (TBN = 30 mgKOH / g) and Karina (TBN = 5 mgKOH / g) lines;

- Industrial oils; reduction oils; compressor oils; hydraulic oils; machine oils; turbine oils; washing oils; oils for guide parallels; cutting oil; special purpose oils and oil SOT.



Astra Bioplant was born in 2007 with the construction of a modern plant for the production of vegetable oils and biodiesel. In 2009, the production plant already produced 60,000 tons of biodiesel per year.

The Astra Bioplant plant is strategically located in a region where oilseeds are traditionally and mass-produced, and the contracts signed in advance with local and foreign producers guarantee the overall satisfaction of the production needs for raw materials. The production facilities are located 20 km east of the city of Ruse, 5 km from the Danube River and 9 km from the port of Bulmarket, offering complete equipment for handling liquid and bulk cargo, as well as a railway terminal. The proximity to the Danube River and the Danube Bridge greatly facilitates the delivery of products to Bulgarian and Romanian customers, as well as to Western European destinations.

Quality control at any time of the technological process is extremely important, so "Astra" has invested in precise and modern equipment. The plant's laboratory has Perkin-Elmer chromatographic and spectral analysis equipment, as well as instruments for automatic determination of acid number, iodine number and moisture content.

Astra Bioplant EOOD has two main production and several auxiliary divisions. In "Oil Production" are set modern technological solutions with a German license, and the overall design and engineering is the fruit of a leading Indian company. The installation works with three oilseeds - rapeseed, soybean and sunflower. It processes 500 tons of raw materials per day, from which 200 tons of oils are extracted.

"Technical refining and extraction of biodiesel" is the other important direction in which the biodiesel plant works on the technology of alkaline catalyzed transesterification in two stages. The installation can operate with NaOH (KOH) or CH<sub>3</sub>Na (CH<sub>3</sub>K). It also

includes equipment for refining glycerin up to 90% and a column for rectification of waste methanol up to 99% and its return to the process.

Astra Bioplant's product list includes biodiesel, refined and unrefined oil, free fatty acids, glycerin and meal.

The oils produced by the company are soybean, sunflower, rapeseed. They cover specifications for feed oils, technical oils for painting purposes and oils used as fuel in diesel engines, but after further processing the oils produced by Astra Bioplant EOOD can also be used for food purposes.

The acidic oils obtained during refining have a minimum content of 50% pure vegetable free fatty acids and are a high-quality feed additive.

Oberostereichische Biodiesel Bulgaria EOOD produces biodiesel and pharmaceutical glycerin. The refinery has been in operation since 2014 and has an annual capacity of 100,000 tons of biodiesel and 10,000 tons of glycerin.



Agropolichim AD is a leading producer of nitrogen fertilizers in Southeast Europe and a leader in the production of phosphorus fertilizers on the Balkan Peninsula. Agropolichim also produces phosphorus and compound fertilizers to support innovative agriculture. The turnover of the company for 2020 is BGN 377 million, and the employees - 700 people according to data from APIS by the end of 2021.

The company was founded in 1974 as a state-owned enterprise, and in 1999 the Bulgarian Privatization Agency sold 63% of the company's capital. As of 2022, Agropolichim AD is an entirely private company with Bulgarian and Belgian shareholding.

The company's fertilizer plant is located in the Industrial Zone of the town of Devnya, near the port of Varna - west and has a direct connection to the national railway network.

The results of the realized investments are indicative of their efficiency:

- Production has increased by over 40%;
- The technological and unforeseen downtimes of the installations have decreased by over 300%;

- The possibilities for processing and forwarding of production have increased by over 60%;
- The total energy consumption is reduced;
- Pollution of the environment and the prevention of serious accidents and occupational accidents are minimized.

The commercial activity is provided logistically through two main bases, which are located in Devnya and Stara Zagora. The company has storage areas for over 150 thousand tons of bulk product, 30 thousand tons of packaged product and 50 thousand tons of liquid cargo, with a total packaging and loading capacity of up to 5 thousand tons per day, depending on the number, type of products and type of packaging.

The company works in long-term cooperation with the world's largest trade companies and industry associations, producers of raw materials and finished products, government agencies, local distributors and end users located in the country of delivery or purchase. Annual sales of various types of fertilizers exceed 1,000,000 mt.

The product list of the enterprise includes:

- Nitrogen fertilizers, which include ammonium nitrate (AN), liquid nitrogen fertilizer (UAN), liquid nitrogen fertilizer with sulfur (UAN + S) and urea (Urea);
- Phosphorus fertilizers, namely triple superphosphate (TSP);
- Nitrogen-phosphorus fertilizers, of which monoammonium phosphate (MAP), diammonium phosphate (DAP),  
NP 6:21;
- Combined fertilizers: NP 20:20 + 13 S, NP 18:38 + 5 S + 0.3 Zn, NPK 15:15:15 + 10 S, NPK 15:40:10;
- Liquid compound fertilizers from the FAST and FAST + series: FAST - NPK 10:10:10, FAST - NPK 6:12:12, FAST - PK 16:16, FAST + for oilseeds, FAST + for cereals, FAST + for vegetable crops, FAST + for perennials;
- Other products: ammonia, nitric acid, ammonia water, phosphoric acid, silicofluoric acid.





Neochim AD is the successor of the Chemical Plant in Dimitrovgrad and a leader on the Bulgarian and international market in the production and trade of mineral fertilizers, inorganic and organic chemical products. Structurally, the production facilities are grouped into: nitrogen fertilizer complex, organic production and repair-mechanical unit. The joint-stock company also has its own railway station. The staff of the company numbers nearly 1250 people.

At the end of 2004, in accordance with the legal requirements, Neochim AD received from the MoEW Complex Permits № 8 and №9, the fulfillment of the conditions in which it guarantees the bringing of the production installations in compliance with the national and European ecological norms. The company also received an Operating Permit №10/2006 for the prevention of major accidents with hazardous chemicals and to limit their consequences, as well as a Greenhouse Gas Permit № 144/2008.

Modern installations for basic products allow the annual production of up to 450,000 tons of ammonia, 480,000 tons of nitric acid, 710,000 tons of ammonium nitrate, 9,300 tons of sodium nitrate, 30,000 tons of formalin, 20,800 tons of urea-formaldehyde resins and 6,000 tons ammonium bicarbonate.

On the Bulgarian market the products of Neochim AD are distributed by the trade company Euro Fert AD. The products of Neochim AD are well received on the international markets as well. The company maintains excellent trade relations with partners from the United States, Brazil, England, France, Italy, Greece, Turkey, Poland, Romania and others.

The complete product list of Neochim AD includes: nitrogen, nitric acid, ammonium bicarbonate, ammonium nitrate, ammonia, ammonia water, desalinated water, carbon dioxide, nitrous oxide (paradise gas), urea-formaldehyde nitrate resin, oxygen, polyamide, alkaline polyamide, glass - reinforced polypropylene, mixed fertilizers, formalin, injection molded products.



Dzobebe Bulgaria EOOD is part of Zobebe Group - a global company engaged in the development and production of household products, health care products and personal hygiene products. The local company produces air fresheners and insecticides.

The plant, located in the Stryama industrial zone near Plovdiv, began production in 2008 with the intention of effectively serving the European market with the production of insecticides, home and car fresheners, laundry products, household and decorative cosmetics. Dzobebe Bulgaria is growing its business and increasing its profits through a wide range of products, long-term customer relationships, strong innovations.

The total area on which the plant is built is about 13,000 square meters. In the last few years, it has expanded its area three times, on the occasion of the launch of new production lines and the construction of a larger warehouse. The company now has about 400 employees.

In 2018, Dzobebe Bulgaria EOOD received an award in the category "Best Innovative Products" in the prestigious Balkan Business Awards competition.



Panchim Ltd. is one of the leading in Europe and the only producer in Bulgaria of sheets and granules of polymethyl methacrylate (PMMA) and polystyrene, known as Plexiglas. The company was established in 1999 and operates in its own production base in Stara Zagora, on the site of Agrobiochim.

Today, Panchim is part of the Israeli Plazit Polygal Group. The company has a 9% market share of PMMA products in Western and Central Europe. Over 95% of the company's production is exported.



Agria AD was born in 1932 in Plovdiv as a joint-stock company "Agrochemical Industry" for the production of chemical plant protection products for the needs of Bulgarian agriculture and the national market. Initially, the company produces and processes nicotine tars for medical purposes, soaps and plant protection products. In 1934, on the basis of plant raw materials by dry distillation of wood, the production of the first Bulgarian insecticide - carbolineum - started, and a little later the production of creolin began - the first Bulgarian veterinary medicine for bathing sheep against scabies. In 1947 the joint-stock company was nationalized and merged with other enterprises, and in 1970 it was renamed the Agria chemical plant.

In 1991 the company became a state joint stock company, and in 1997 it was privatized. After the transformation into a joint stock company in 1998, the company gradually became one of the leading companies in the field, which produces, imports and trades in herbicides, fungicides, insecticides, biocides, growth stimulants and trace elements.

The indicators of the entire production are qualified with modern methods and modern equipment in a testing laboratory accredited according to BDS EN ISO 17025.

The modern development of Agria AD is going in all directions - modernization and increase of production, introduction of new products, environmental protection, commitment to ecology and quality.

Currently, Agria AD exports plant protection products to more than 70 countries in Europe, Asia, South America, Africa and the Middle East.

Among the more famous brands produced by Agria AD are:

- Herbicides: NITIDE, Chaos, Imaspro 7.5 EV, NASA TAF, Tornado 24 EC, Tornado 5 EC, Logos OD, Bullfight 75 VDG;

- Fungicides: AVALON®, TREZIN® MAX, BRIONFLO® 100 SK, COPFORS® EXTRA, SIVAR, CARBICOUR®, RIVAL DUO, RIVAL®, Breeze 12.5 EC, Funguran ON 50 VP;

- Insecticides: MASAN®, BOUTIQUE®, METEOR, SHOSHI, Sherpa 100 EC, OLREDI, BRAY;

- Biocides: Rodenticides: Muskil pasta FLUO-NP 10 kg., Muskil pasta FLUO-NP 200 g., Children's paste, Children's wax blocks 10 kg carton, Children's pellets; perocin marine (industrial algaecide), etc.



The company BULMARKET DM EOOD was established in 1996 in Ruse and the main business is related to the supply, production, storage and wholesale of energy products of mineral and non-mineral origin. In the beginning the company started with several employees, and today the subsidiaries are fifteen and with over 1000 employees.

The group includes the companies Bulmarket Rail Cargo EOOD, Bulmarket CNG EOOD, Port Bulmarket EAD, Bulmarket Autotransport EOOD, Bulmarket Security EOOD, Bravo Sped EOOD, Astra Bioplant EOOD, Astra Finance EAD, Oleo Protein EOOD, High Protein EOOD, Oberösterreichische Biodiesel Bulgaria, Oberösterreichische Biodiesel Austria, City Gas Galati, GTG Giurgiu, with Astra-Finance EAD being the sole owner of the capital of the companies Astra Bioplant EOOD, Oleo Protein EOOD, High Protein EOOD, Oberosteraichishe Biodiesel Bulgaria. (The Astra group includes the companies Astra Bioplant EOOD, Oleo Protein EOOD, Oberostereichishche Biodiesel Bulgaria, High Protein and Correct Test Control).

As a wholesaler of fuels BULMARKET DM EOOD quickly ranks among the top 100 leading companies in Bulgaria. It is actively developing not only on the local market, but also in Romania, Serbia, Macedonia and the EU countries, occupying an increasingly significant market share. Bulmarket DM Ltd. is the first private railway carrier in Bulgaria. He has a license for railway transport from October 21, 2005 for transportation of goods along the entire railway network in the Republic of Bulgaria. The company owns a river port and a multifunctional terminal, which is the only one in Bulgaria and includes the three types of transport - railway, road and water, connected by a common gas and product pipeline network, storage and service pumping stations. BULMARKET DM EOOD has several terminals for gas and oil products in Bulgaria and Romania, as part of the deliveries to them are made by river and sea.

The key position of the company for the economy of the region and the country is indisputable and therefore has successfully established itself on the market for alternative fuels - LPG, CNG, LNG.

One of the first and main businesses of the company, which started in 1997, is the trade in LPG. Gradually, the company established itself as one of the market leaders in Bulgaria and the region, building the image of a desirable and correct partner in the industry confidently and with perseverance, providing daily excellent quality of fuel and its delivery service. Annually traded in quantities of about 150,000 tons of LPG, which are sold mainly in Bulgaria, Romania, Macedonia, Greece and Serbia. Supply flows are diversified, including producers from Romania, Western Europe, the United States, Russia, countries of the former Russian republics and others. The company's assets in this segment include four own LPG processing terminals located in Bulgaria and Romania, over 150 railways and tank trucks (own and rented).



High Protein Ltd., established in 2016, produces neutralized oils and biodiesel. The Refinery workshop in Provadia, Varna region, has an annual capacity of 110,000 tons, and the installation was constructed and installed by an Italian company. The production has its own treatment plant, which does not allow pollution in the area.

The company is headquartered in Ruse, and among the company's activities are such as production, purchase, processing, sale and trade in industrial and agricultural products, stoves, soup and technically pure glycerin, including raw materials for the pharmaceutical and food industries. ; trade, distribution, storage and transport of propane-butane gas, etc.

The company's turnover for 2019 amounts to BGN 129,334,000, which is 54% more than the previous 2018 (BGN 83,810,000), and the average annual growth is 1.330%. The profit for 2019 is BGN 885,000.



Oleo Protein Ltd. is engaged in the production of crude vegetable oils and meal. The plant processes 700 tons of seeds per day, and its annual production is 100,000 tons of vegetable oil. The site is located on part of the former KTM - Ruse. The banks of the Danube River. The production processes are fully automated with microprocessor control of production operations and control of technological parameters.

Oleo Protein is another investment in purifying production air and reducing odors to a minimum. The system ozonizes the air released into the atmosphere from the two facilities, separated from the production in the company. The plant will produce one kilogram of ozone per hour.



Prista Oil Group is a holding structure whose field of activity covers the following two areas:

- Production and trade of motor and industrial oils, greases and special fluids - an activity developed entirely by Prista Oil Holding and its international subsidiaries;
- Battery business - in the structure of Monbat (one of the bluechips of the Sofia Commodity Exchange).

At the end of 2007 Prista Oil Holding EAD acquired 75% of the shares of the company established in 1945. and subsequently underwent numerous reconstructions and modernizations, the Verila chemical factory from the village of Ravno Pole, Sofia region, and renamed it Verila Lubricants AD. Verila Lubricants AD currently produces grease, lithium and calcium lubricants; oils; detergents; antifreeze; wiper fluids, etc.

Prista Oil has its own plants in Bulgaria and Uzbekistan, which produce lubricants, greases and special fluids. Its team consists of almost 500 people located in 9 countries on 3 continents.

Prista Oil's production facilities are built and developed in accordance with the most modern and innovative technologies. The wide range of products is the result of a combination of our own research and development with excellent cooperation with world leaders in the oil and chemical industry, such as Chevron, Ergon Inc., Gulf Oil Marine and others.

Prista Oil Holding is one of the leading Bulgarian companies operating in more than 45 countries in Central and Eastern Europe, the Middle East, Central Asia and North Africa.

Prista Oil currently produces two series of products:

PRISTA products, which include automotive oils - motor oils for cars and vans - high-performance oils, high-performance oils (DPF and TWC), "Premium" and "Standard" oils, motor oils for trucks, motor oils for gas engines, 2t / 4t oils, transmission oils and special fluids, industrial products, greases and marine oils;

And first-class synthetic motor oils with brands TEXACO, DELO, HAVOLINE ProDS, HAVOLINE ULTRA, HAVOLINE ENERGY, HAVOLINE EXTRA; HAVOLINE 2T / 4T oils, HAVOLINE fluids for automatic transmissions, antifreeze, lubricants, oils for automotive gears, etc. industrial products.



Air Liquid Bulgaria Ltd. is a leading global manufacturer and supplier of technical gases for industrial and medical purposes. The company operates in more than 80 countries, supplying its customers on all continents in a variety of industries, providing jobs to over 43,600 employees. The company entered the Bulgarian market in November 1999. The gaseous and liquefied products of Air Liquide Bulgaria find various industrial applications in metallurgy, welding and cutting, refining, in the chemical and petrochemical industry, in the food, paper industry and many other places.

Currently, Air Liquide Bulgaria owns and manages 3 production sites with air separation plants - in Pernik, Pirdop and Targovishte, a bottle filling center in Gabrovo and Pirdop and distribution centers in Sofia, Varna, Ruse and Dobrich.



Teklas Bulgaria EAD is a subsidiary of the Turkish Teklas, which produces rubber, plastic and metal components for fuel, cooling and braking systems for all world-famous car companies, including their latest electric and hybrid models. The group has plants in four more countries - Turkey, China, Mexico and Serbia, and its production base in Bulgaria includes factories in Krumovgrad, four in Kardzhali, Momchilgrad and Vratsa. The largest research center of the company is positioned in the town of Kardzhali. The products of Teklas are entirely intended for export. In 2018 Teklas has been awarded by the Volkswagen Group with the №1 Supplier Certificate worldwide.

Since entering the country 15 years ago, the company has virtually stopped increasing its turnover, and constant investment has made it one of the key players in the sector. And although there are already factories in several cities in the country, the beginning was set in Kardzhali, where so far is the largest production base not only of the Bulgarian company, but also of the whole group. The main part of the employed over 3000 people work here, which makes "Teklas - Bulgaria" the largest employer in the district. And continued investment promises to keep growth going.



Plastchim-T AD is one of the largest producers of biaxially oriented polypropylene foil (BOPP), cast oriented polypropylene foil (KPP) and flexible packaging in Bulgaria and on the Balkan Peninsula. The company has existed since 1967 mainly as a manufacturer of household appliances and electrical engineering. The production of polypropylene twine and



polyethylene foil began in the late 1970s. The production of flexible packaging started in 1983, and in 1990 the production of flexible containers began. In December 1997, the company was privatized by Famtex, which existed until 2007, when it merged with Plastchim-T and retained the name of the latter.

Since 1998 Plastchim-T is the only in Bulgaria holder of the license of Portabulk® System from Hydro Packaging (Cronus). After 2004, the company expanded into another market niche: the first BOPP line was installed in the newly built plant in Aksakovo, and in 2010 - a second such line, which allows doubling the production capacity. The company began exporting much of its products to Europe, the United States and Africa. A third BOPP line was installed in 2014.

In 2007 the first metallizer "Galileo" was installed, and in 2013 - a second metallizer - "Applied materials". The first line for production of PPC foil was put into operation in 2012, and in 2017, a second such line started operating in the new plant in Devnya.

The installation of the fourth - the largest and fastest line for VORP foil in the world in the new plant in Devnya is in 2018, at the end of 2020 the operation of the third metallizer Nordmeccanica begins, and from 2021 in Devnya the first in world hybrid BOPP / BOPE line.

Plastchim-T AD currently exports its products consisting of packaging foils (PE Foil, PPC foil, BOPP foil) and flexible packaging (FIBC containers, polypropylene bags, polypropylene twine) in almost all European countries, USA, Canada and Africa, Algeria, Tunisia, Israel, Turkey, Egypt, Lebanon, UAE, South Africa, Ivory Coast and Senegal.



Neoperl Bulgaria EOOD is a Bulgarian-Spanish company from the MATEU group, a manufacturer of flexible water and gas connections. Offers models in various combinations of tips and lengths. Works on QMS, according to ISO 9001: 2000. The products are manufactured in accordance with

BTO-001 / 15.05.2005-for water and BTO-027 / 01.12.2007 - for gas; have European product certificates CSTB-France and KIWA-Netherlands.

216 people are involved in the production of flexible water connections.

The Neoperl Bulgaria plant is the first factory of this size after the advent of democracy, which was built from a green meadow in Dobrich. The company has a built-up area of 11 thousand square meters and is located on its own plot of 36 acres. The investor is the successor of the Dobrich-based company Bulmat, which has joined the German-Swiss group Neoperl, with 12 production bases in Europe, Asia and the United States.

The company, which has previously exported to a number of countries in Europe, Africa, Asia, South and Central America, is now exporting to one of the largest American companies.



EXTRAPACK Ltd. was established in 1995 by five young and enterprising Bulgarians, who laid its foundations and joined forces to turn the company into the best manufacturer of bags and packaging in Bulgaria. Today this is already a fact, but the team does not stop striving to enrich its portfolio of products and increase their quality.

In the years since its establishment, Extrapack has repeatedly increased its production capacity and expanded the network of representative offices in all major Bulgarian cities. The main part of the company's profit is still reinvested in qualified staff and high-tech equipment.

As of 2016, Extrapack has more than 700 employees, and over 65% of the production is exported to customers in Western Europe.

Maintaining a consistently high quality of products and an active position on environmental issues related to packaging waste are a priority of the company's managers.

Extrapack has certificates according to a number of international standards, including ISO 9001, ISO 14001, ISO 22000: 2006, FSC® and others.



Standard Profile Bulgaria EAD is a 100% subsidiary of Standard Profile, Turkey - a world-famous manufacturer of sealing systems in the automotive industry. The company was established in 1978 in Turkey, with registration and management in Istanbul.

The plant, built in 2005 in Stara Zagora, is the company's first foreign investment and its second plant, after the one in Düzce, Turkey. The group currently owns 12 companies operating in 11 countries. The company manufactures sealing systems for the automotive industry in Europe, Africa, Asia, North and South America. In 2020, Standard Profile Bulgaria launched a new production of components for electric cars. This is the first project of the Bulgarian rubber seals company for the automotive sector, aimed at the electric car industry.

The main customers of the company are such world-famous car brands as VOLKSWAGEN, FIAT, RENAULT DACHIA, GENERAL MOTORS, DAIMLER, Nissan and FORD. The plant supplies its products to countries such as the United States, Germany, China, France, Great Britain, Spain, Canada, Mexico City, Poland, Romania, Russia and Serbia.

The company is certified according to the internationally recognized standards ISO 14001: 2015, IATF 16949: 2016, OHSAS 18001: 2007 and ISO / IEC 27001: 2013.

Currently, 700 workers are employed at the plant in Stara Zagora.



FIBRAN Bulgaria AD is the first Bulgarian manufacturer of extruded polystyrene thermal insulation products (FIBRANxps).

In 1974, in Terpni, near Thessaloniki, Greece, the company for the production of insulation materials FIBRAN was founded. In just 50 years, the small Greek company has grown into a European giant and turned its name into a name for this type of product and a guarantee of high quality. Today, Fibran is an international company with 16 production lines, factories in 7 European countries (Greece, Slovenia, Portugal, Bulgaria, and more recently in the Czech Republic and Romania) and a distribution network in 70 countries.

FIBRANxps INCLINE boards are available on pallets. Applying FIBRANxps INCLINE is quick and easy, while improving the quality of execution and the accuracy of the slope. Thus, the thermal insulation and the slope of the roof are performed with one product. Each plate has an individual code, which indicates its exact location, according to a specially prepared for the site laying plan.

Fibran Bulgaria AD, part of Fibran Group, manufactures products for thermal insulation, sound insulation and fire protection from extruded polystyrene (FIBRANxps) and stone wool (FIBRANgeo), which helps to achieve energy efficiency and sustainable thermal comfort, as well as promotes appropriate technical solutions among designers, engineers, builders and consumers.

In fulfillment of its strategy for development and supply of insulation materials and systems, Fibran Bulgaria AD invests in 2022 in the acquisition of a new plant for the production of stone wool - ROCK 7 EOOD, Targovishte. The added production facilities will additionally engage more than 60 people and will more fully meet the demand in the two main markets in which Fibran operates - the Bulgarian and the Romanian. New investments are also planned in the factory in Targovishte, based on 20 years of production experience at the Fibran plant in Greece.

For 2021, the company reports a turnover of over 30 million euros and a new staff of 77 people

Fibran Bulgaria is constantly engaged in research and development activities, based on cooperation with research institutions, as well as a constant exchange of knowledge and experience between Fibran experts. Fibran Bulgaria also participates in the work of a number of international organizations, in cooperation with universities and research institutes, actively supports European development, especially in terms of environmental protection and reduction of harmful effects on climate change.

In its development, Fibran Bulgaria is guided by the desire for continuous improvement and development, for the introduction of innovative technologies and equipment, for the enrichment of production opportunities and, accordingly, the opportunities to meet the growing demands of consumers.



TRACE IPOMA became a member of the Thrace Group in 2004. Until then, it had established a strong market position in Southeast Europe under the name Ipoma S.A., part of the packaging division of Frigoglass. Founded in 1982 as a state-owned enterprise, today TRACE IPOMA AD is a private joint stock company based in Sofia.

To date, the company operates product lines in two segments:

- injection molding;
- production of BigBags / flexible polypropylene containers.

TRACE IPOMA AD has over 200 qualified professionals working in a privately owned facility with an area of 12,000 square meters. It is certified and operates in accordance with the standards EN ISO 9001: 2008 and ISO 22000: 2005. The production capacity of the enterprise exceeds 8000 tons of polymer per year.

The main markets of TRACE IPOMA AD are in Bulgaria, Eastern Europe and the Balkans, as in the last decade they have expanded extremely successfully and now the company operates throughout Europe.

The products that the company TRACE IPOMA AD offers on the market are the following:

- rigid packaging (buckets, containers);
- crates (for general use, soft drinks and beer);
- chairs;
- seats for stadiums;
- flexible polypropylene containers - BigBags;

The field of application of the products is:

- industrial use;
- production of food, chemicals and paints;
- processing of meat, bread and agricultural products;
- transport of fertilizers and bulk products, etc.

Asenova Krepost AD was founded in 1964 with headquarters in Asenovgrad, Bulgaria. The company has over 40 years of experience in the production of flexible polymer packaging - transport, consumer and foils for agriculture and construction, and more than 20 years of tradition in the production of woven bags and flexible containers of polymeric materials. Its traditional business partners are companies from the chemical industry, glass, cement, mineral fertilizers and others, as well as numerous divisions of the food industry such as dairy, confectionery, meat processing.

In terms of technology, Assenova Krepost AD closes the entire production cycle from starting polymers to finished products, successfully applying:

- extrusion of single-layer and multilayer foil materials with different compositions and properties;
- barrier, protective, UV-stabilized, etc .;
- extrusion coating and reinforcement, dry and wet lamination;
- multicolor flexographic printing;
- various types of clothing and accessories.

The certification of the production with the international management system ISO 9001: 2000 and the well-organized control are a guarantee for the quality of the company's products. In its development, Assenova Krepost AD gradually renews its range and optimizes its technological processes. New ideas and innovations in production allow our packaging and materials to make our products even more attractive, functional and cost-effective.

Assenova Krepost AD wins its customers with high quality products. The rich production experience and traditions are successfully implemented with the latest trends in trade and investment policy.



Pipelife is one of the world's leading manufacturers of plastic pipe systems for water supply, sewerage, gas supply and irrigation, meeting all European norms and standards.

Pipelife's activity is aimed at continuous improvement of products and expansion of production and commercial distribution. Pipelife systems are successfully used in plumbing infrastructures, in the heating of buildings, for purification and irrigation, both in the municipal and industrial sector, and in the private construction.

Pipelife Bulgaria EOOD became part of the Pipelife family in 2005. as a sales office in Plovdiv, and in 2010. The plant in Botevgrad also started production.

The Pipelife Bulgaria plant produces the following pipes:

- Two-layer corrugated polypropylene pipes Pragma in range, which are produced on two lines: Pragma line 1 - from DN160 to DN400 and Pragma line 2 - from DN500 to DN1000;
- Compact smooth-walled polypropylene pipes PP Mono;
- Polyethylene pressure pipes type Aqualine RC and Aqualife;
- Three-layer PVC pipes type KG;
- PVC-U pipes, enriched with carbon type Solid Pipe, as well as complex systems for wastewater treatment and transportation.

The company's activity complies with the requirements of ISO 9001: 2008 and includes a working system for quality management of products (PP, PVC-U and PE100 pipes) and the services provided, in accordance with customer requirements and applicable provisions of national legislation and European regulations. standards.

With a presence in 27 countries in Europe and North America, Pipelife strives to meet all requirements locally, sharing best practices from around the world.



Since its establishment in 1997 until now, Terachim 97 AD has developed successfully to become one of the leading manufacturers of PET preforms and packaging (PET, polyethylene, PVC, polypropylene) for the food and pharmaceutical industries in Bulgaria and Europe. Polyethylene terephthalate (PET) is a synthetic material that combines different characteristics such as a variety of shapes and uses, lightness, transparency, sustainability, recyclability, impermeability, in full compliance with packaging requirements for the food and pharmaceutical industries.

The factory is located in two production bases in Gabrovo, where it is installed

9 'Husky' machines - 2 HyPet and 7 Index systems and blowing equipment from leading manufacturers of such equipment as ADS, Kosme and Nissei ASB.

The capacity of the factory is 500 million preforms per year and the product range varies from 10 to 123 g of preforms. Products are delivered to some of the largest producers of beer, mineral water, beverages and pharmaceuticals, such as Heineken, Ledenika, Bolyarka, Devin, Gorna Banya, Thorne Spring, Pepsi, Sopharma, Actavis and others.

The high quality and competitive prices allow the export of about 30% of the production to countries such as Greece, Romania, Macedonia, Hungary, Croatia, Slovakia and Albania.

Terachim 97 AD is certified according to the ISO 9001: 2000 standard and has its own laboratory for control and maintenance of product quality.

High competitiveness and customer satisfaction are the main goals that Terachim 97 AD pursues with the price of maintaining consistently high quality products, implementing innovations and rapid response to market changes.



## **6. Prospects for the development of the Bulgarian chemical industry**

The difficulties of the economic environment require interaction and solidarity between companies in the industry, in order to achieve better financial and professional potential and successful use of opportunities and programs of the European Union for innovation, investment and qualification projects. For the success of the sector it is necessary to constantly make efforts and to carry out targeted actions in the following main directions:

- Improving the effectiveness of social dialogue and, as a result, improving regulations and easing regulatory regimes,

- Assisting companies in expanding the scope of the REACH Chemicals Regulation and improving the performance of the Responsibility and Care and Stewardship Products business initiatives,

- Perception of positive experiences and good practices from similar organizations in the EU and the world;

- Providing the industry with competent staff with the necessary qualifications.

Despite the efforts and optimistic forecasts and findings of the government institutions for progress in easing the licensing and licensing regimes, for improving the administrative capacity and achieving a better level of control in the implementation of the normative documents, in order to prove their effectiveness, there is much to be desired in this direction.

The main problems of the industry, both now and in the future, are mainly related to the fuller compliance of production practices with the need to constantly maintain the ecological balance in the regions where the main production facilities are located, as well as in national scale; with the constant provision of raw materials for the productions; with the need to constantly increase the manufacturability of the processes (with mandatory digitalization and inclusion of non-waste technologies), to increase the competitiveness of production on international markets and to expand the markets themselves.

One of the serious obstacles to the more rapid development of the chemical industry in Bulgaria is related to the lack and shortage of qualified personnel in the country. Although the Faculty of Chemistry is the oldest at Sofia University, and chemistry training is offered by many professional secondary schools, the oldest and most established, including the Vocational School of Polymer Technology "Prof. Pencho Raykov ", Sofia; Vocational High School of Ecology and Biotechnology "Prof. Dr. Asen Zlatarov", Sofia; and Vocational High

School of Electronics and Chemical Technologies "Prof. Asen Zlatarov", Pleven and most of the renowned higher education institutions in Bulgaria, such as Varna Free University "Chernorizets Hrabar"; University of Veliko Tarnovo "St. St. Cyril and Methodius"; Higher School of Agribusiness and Regional Development - Plovdiv and especially the University of Chemical Technology and Metallurgy, Sofia; the problem of finding well-trained, competent and highly qualified personnel for the chemical industry is on the agenda. More than 7,000 students annually complete higher education in chemistry and related disciplines.

Another important moment for the Bulgarian chemical industry is the interruption of supply chains, a consequence of the COVID-19 pandemic, as well as the military conflict in Ukraine, which creates an opportunity for Bulgarian industry to impose and sell more products on EU markets.

Influence should be paid to the increased inflation in the country, which from the beginning of 2022. moves in the range between 9% and 15.5%, compared to 3.3% in the previous 2021. Serious impact on the activity of enterprises, incl. and in the chemical industry have strong price changes in terms of natural gas and electricity in the country. The Bulgarian government has undertaken compensatory mechanisms due to the increased prices in order to maintain the competitiveness of the enterprises in the country.

## 7. Conclusions

The analysis of the chemical industry proves the sustainability of the sector, which is crucial for the successful development of other sectors of the economy and for GDP growth.

The production of chemical products is associated with the development and adoption of new processes, technologies that allow not only to solve current problems related to the shortage of raw materials and energy resources and reduce environmental pollution, but also to achieve significant progress. to preserve the climate. It is these that are the main driving forces for the development of this part of the manufacturing industry, which determine the priority need to support the development of this sector.

The productions in the chemical industry are based on a high degree of automation and mechanization of the processes and techniques, as well as on the implementation and use of modern ICT solutions. In this way an opportunity is created for the realization of non-waste productions with high added value of the products and the development of the other sectors of the economy is ensured.

One of the main priorities for ensuring the food of the population is the prioritization of certain productions, such as: fertilizers and agrochemical products, which guarantee the competitiveness and sustainability of agriculture. The emerging increase in the relative share of land used for the production of biomass needed for technologies for the production of other chemical products and alternative fuels is at the expense of limiting the areas for the production of grain and other food products. This makes it even more urgent to increase the production and use of mineral fertilizers. Due to its geographical and climatic conditions and good traditions, Bulgaria has opportunities and competitive advantages by developing good practices for organic and intensive agriculture not only to improve the quality of food of its population, but also to rapidly expand its export positions and market share in food products. . Moreover, there is a traditionally well-developed and with won export positions subsector "Manufacture of agrochemicals".

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