

Draft of Labelling Criteria for Consumer Chemical Products

1. In order to establish proper labelling of consumer chemical products, maintain the reputation of producers, and protect the rights and interests of consumers, the Labelling Criteria are stipulated pursuant to Article 11 of the Commodity Labelling Act.

2. The consumer chemical products described in the Criteria, is defined as any chemical products that has introduced for sale on domestic market, are on display and sale, and when used by consumers can easily cause concern of physical, health or environmental risks and hazards.

Items considered chemical products for consumer use shall be promulgated by the Ministry of Economic Affairs.

3. Particulars shall be contained in Consumer Chemical products labelling as following:

(1) General Particulars:

(a) Name of Commodity

(b) Name, address, and the telephone number of the manufacturer or the manufacturing contractor. For imported goods, the name of the manufacturer or the manufacturing contractor shall be provided, along with the name, address and the telephone number of the importer, agent, or distributor.

(c) the place of origin of the commodity

(d) Major components/ingredients

(e) Net weight, volume, or measurements

(f) Date of manufacture and the expiration date (or the term of validity)

(2) Hazardous Particulars:

(a) Hazardous ingredients;

(b) Label with the appropriate hazard pictograms, signal word and hazard statements in accordance with the hazard class, division, category and type of hazards in the attachment;

(c) points requiring attention or precautionary statements;

(d) If the hazard is classified as flammable liquid, the flash point shall be indicated.

(3) Commodities that are nonhazardous under normal use shall not require

Hazardous Particulars.






4. Chemical products for consumer use shall be labeled in the following manner:
 - (1) Criterion No.3 shall be labeled on the commodity itself, the inside and outside packaging, or on the instructions.
 - (2) The hazard pictograms shall use black ink on a white background, where the red frame of the diagram shall be of sufficient width to provide warning.





5. The criteria shall come into force after elapse of two full year from the date of its promulgation.










Attachment: hazard classifications










Categories of chemical hazards includes (1)physical hazard,(2)health hazard, and (3) environmental hazard










(1)Nature of hazard: physical hazard







Classification of hazardous consumer chemical products		Label elements		
Hazard class	Division, Category, or Type	Hazard pictogram	Signal word	Hazard statement
1.Explosives	Unstable explosives		Danger	Unstable explosive
	Division 1.1 Substances or articles which have a mass explosion hazard		Danger	Explosive: mass explosion hazard
	Division 1.2 Substances or articles which have a projection hazard but not a mass explosion hazard		Danger	Explosive severe: serious projection hazard
	Division 1.3 Substances or articles which have a fire hazard and either a minor blast hazard or a minor projection hazard, but not a mass explosion hazard		Danger	Explosive: fire, blast or projection hazard
	Division 1.4 Substances or articles which present no significant hazard		Warning	Fire or projection hazard

	Division 1.5 Very insensitive substances or articles which have a mass explosion hazard	(orange background)	Danger	May mass explode in fire
	Division 1.6 Extremely insensitive substances or articles which do not have a mass explosion hazard	(orange background)	None	None
2.Flammable gases	Category 1		Danger	Extremely flammable gas
	Category 2	None	Warning	Flammable gas
3.Aerosols	Category 1		Danger	Extremely flammable aerosol; pressurized container: may burst if heated
	Category 2		Warning	Flammable aerosol; pressurized container: may burst if heated
	Category 3	None	Warning	Pressurized container: may burst if heated
4.Oxidizing gases	Category 1		Danger	May cause or intensify fire; oxidizer



5. Gases under pressure	Compressed gas		Warning	Contain gas under pressure; may explode if heated
	Liquefied gas		Warning	Contain gas under pressure; may explode if heated
	Refrigerated liquefied gas		Warning	Contains refrigerated gas; may cause cryogenic burns or injury
	Dissolved gas		Warning	Contain gas under pressure; may explode if heated
6. Flammable liquids	Category 1		Danger	Extremely flammable liquid and vapour
	Category 2		Danger	Highly flammable liquid and vapour
	Category 3		Warning	Flammable liquid and vapour
	Category 4	None	Warning	Combustible liquid
7. Flammable solids	Category 1		Danger	Flammable solid
	Category 2		Warning	Flammable solid










8. Self-reactive substances and mixtures	Type A		Danger	Heating may cause an explosion
	Type B	 	Danger	Heating may cause a fire or explosion
	Type C and D		Danger	Heating may cause a fire
	Type E and F		Warning	Heating may cause a fire
	Type G	None	None	None
9. Pyrophoric liquids	Category 1		Danger	Catches fire spontaneously combust if exposed to air
10. Pyrophoric solids	Category 1		Danger	Catches fire spontaneously combust if exposed to air
11. Self-heating substances and mixtures	Category 1		Danger	Self-heating; may catch fire
	Category 2		Warning	Self-heating in large quantities; may catch fire







12.Substances and mixtures which, in contact with water, emit flammable gases	Category 1		Danger	In contact with water releases flammable gases which may ignite spontaneously
	Category 2		Danger	In contact with water releases flammable gases
	Category 3		Warning	In contact with water releases flammable gases
13.Oxidizing liquids	Category 1		Danger	May cause fire or explosion; strong oxidizer
	Category 2		Danger	May intensify fire; oxidizer
	Category 3		Warning	May intensify fire; oxidizer
14.Oxidizing solids	Category 1		Danger	May cause fire or explosion; strong oxidizer
	Category 2		Danger	May intensify fire; oxidizer
	Category 3		Warning	May intensify fire; oxidizer








15.Organic peroxides	Type A		Danger	Heating may cause an explosion
	Type B	 	Danger	Heating may cause a fire or explosion
	Type C & D		Danger	Heating may cause a fire
	Type E & F		Warning	Heating may cause a fire
	Type G	None	None	None
16.Corrosive to metals	Category 1		Warning	May be corrode to metals







(2)Nature of hazard: health hazard

Classification of hazardous consumer chemical products		Label elements		
Hazard class	Division, Category, or Type	Hazard class	Division, Category, or Type	Hazard class
1.Acute toxicity: oral	Category 1		Danger	Fatal if swallowed
	Category 2		Danger	Fatal if swallowed

	Category 3		Danger	Toxic if swallowed
	Category 4		Warning	Harmful if swallowed
	Category 5	None	Warning	May be harmful if swallowed
2.Acute toxicity: dermal	Category 1		Danger	Fatal in contact with skin
	Category 2		Danger	Fatal in contact with skin
	Category 3		Danger	Toxic in contact with skin
	Category 4		Warning	Harmful in contact with skin
	Category 5	None	Warning	May be harmful in contact with skin
3.Acute toxicity: inhalation	Category 1		Danger	Fatal if inhaled
	Category 2		Danger	Fatal if inhaled
	Category 3		Danger	Toxic if inhaled




	Category 4		Warning	Harmful if inhaled
	Category 5	None	Warning	May be harmful if inhaled
4.Skin corrosion/irritation	Category 1A		Danger	Causes severe skin burns and eye damage
	Category 1B			
	Category 1C			
	Category 2		Warning	Causes skin irritation
	Category 3	None	Warning	Causes mild skin irritation
5.Serious eye damage/eye irritation	Category 1		Danger	Causes serious eye damage
	Category 2A		Warning	Causes serious eye irritation
	Category 2B	None	Warning	Causes eye irritation
6.Respiratory sensitization	Category 1		Danger	May cause allergy or asthma symptoms or breathing difficulties if inhaled

7.Skin sensitization	Category 1		Warning	May cause an allergic skin reaction
8.Germ cell mutagenicity	Category 1A		Danger	May cause genetic defects
	Category 1B			
	Category 2		Warning	Suspected of causing genetic defects
9.Carcinogenicity	Category 1A		Danger	May cause cancer
	Category 1B			
	Category 2		Warning	Suspected of causing cancer
10.Reproductive toxicity	Category 1A		Danger	May damage fertility or the unborn child
	Category 1B			
	Category 2		Warning	Suspected of damaging fertility or the unborn child
	Additional category for effect on or via lactation	None	None	May cause harm to breast-fed children

11. Specific target organ toxicity: single exposure	Category 1		Danger	Causes damage to organs
	Category 2		Warning	May cause damage to organs
	Category 3		Warning	May cause respiratory irritation, or drowsiness and dizziness
12. Specific target organ toxicity: repeated exposure	Category 1		Danger	Causes damage to organs through prolonged or repeated exposure
	Category 2		Warning	May cause damage to organs through prolonged or repeated exposure
13. Aspiration hazard	Category 1		Danger	May be fatal if swallowed and enter airways

	Category 2		Warning	May be harmful if swallowed and enter airways
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(3) Nature of hazard: environmental hazard

Classification of hazardous consumer chemical products		Label elements		
Hazard class	Division, Category, or Type	Hazard class	Division, Category, or Type	Hazard class
1. Hazardous to the aquatic environment: acute	Category 1		Warning	Very toxic to aquatic life
	Category 2	None	None	Toxic to aquatic life
	Category 3	None	None	Harmful to aquatic life
2. Hazardous to the aquatic environment: chronic	Category 1		Warning	Very toxic to aquatic life with long lasting effects
	Category 2		None	Toxic to aquatic life with long lasting effects

	Category 3	None	None	Harmful to aquatic life with long lasting effects
	Category 4	None	None	May cause long lasting effects to aquatic life