

Chemical for template no 1

S.No.	HS codes	Description	India's exports to china in 2017 in USD mn	BRCA	China's top import sources
1	'290611	Menthol	167.986	130.82	Germany 10.7%, japan 2.4%
2	'290410	Derivatives of hydrocarbons containing only sulpho groups, their salts and ethyl esters	9.713	41.27	japan 25.3%, germany 24.3%, USA 20.2%
3	'320416	Synthetic organic reactive dyes; preparations based on synthetic organic reactive dyes of a kind used to dye fabrics or produce colorant preparations (excluding preparations of heading 3207, 3208, 3209, 3210, 3213 and 3215)	34.7	42.28	Thailand 25.2%, taiwan 12.6%, korea 8.5%
4	'320417	Synthetic organic pigments; preparations based on synthetic organic pigments of a kind used to dye fabrics or produce colorant preparations (excluding preparations of heading 3207, 3208, 3209, 3210, 3213 and 3215)	23.002	10.67	Korea 31.1%, germany 17%, japan 14.5%
5	'292142	Aniline derivatives and their salts	31.728	132.23	India 96%
6	'380891	Insecticides (excluding goods of subheading 3808.50)	15.115	17.32	Singapore 28.4%, USA 21.1%, France 12.9%
7	'294200	Separate chemically defined organic compounds, n.e.s.	31.373	170.83	USA 34.1%, taiwan 11.2%, japan 7.5%
8	'320412	Synthetic organic acid dyes, whether or not metallised, and synthetic organic mordant dyes; preparations based on synthetic organic acid or mordant dyes of a kind used to dye fabrics or produce colorant preparations (excluding preparations of heading 3207, 3208, 3209, 3210, 3213 and 3215)	20.451	25.33	taiwan 19.4%, Thailand 15.9%, japan 9.6%
9	'290950	Ether-phenols, ether-alcohol-phenols and their halogenated, sulphonated, nitrated or nitrosated derivatives	18.682	84.58	Indonesia 19.1%, france 18%
10	'291249	Aldehyde-alcohols, aldehyde-ethers, aldehyde-phenols and aldehydes with other oxygen function (excluding ethylvanillin "3-ethoxy-4-hydroxybenzaldehyde" and vanillin "4-hydroxy-3-methoxybenzaldehyde")	17.47	84.82	India 85.9%, Germany 6.6%, japan 3%
11	'292800	Organic derivatives of hydrazine or of hydroxylamine	8.377	18.07	UK 44.5%, Austria 31.6%, japan 6.4%

12	'320419	Synthetic organic colouring matter (excluding disperse dyes, acid dyes, mordant dyes, basic dyes, direct dyes, vat dyes and reactive dyes and organic pigments); preparations of the kind used for colouring any materials or for the production of prepared colours, based thereon (excluding preparations in heading 3207, 3208, 3209, 3210, 3212, 3213 and 3215); mixtures of colouring matter in subheading 3204.11 to 3204.19	13.071	36.98	France 26.2%, taiwan 13.6%, germany 12%
13	'320411	Synthetic organic disperse dyes; preparations based on synthetic organic disperse dyes of a kind used to dye fabrics or produce colorant preparations (excluding preparations of heading 3207, 3208, 3209, 3210, 3213 and 3215)	7.842	38.97	Japan 25.8%, indonesia 23%, India 21.2%
14	280130	Fluorine; bromine	14.12	12.21	Israel 66.6%, jordon 15%, India 8.7%
15	'292229	Amino-naphthols and other aminophenols, their ethers and esters; salts thereof (excluding those containing > one kind of oxygen function; aminohydroxynaphthalenesulphonic acids and their salts)	9.487	61.34	India 60.4%, japan 31.1%, Switzerland 2.6%
16	'320415	Synthetic organic vat dyes, incl. those usable in that state as pigments; preparations based on synthetic organic vat dyes of a kind used to dye fabrics or produce colorant preparations (excluding preparations of heading 3207, 3208, 3209, 3210, 3213 and 3215)	2.745	57.15	India 47.2%, germany 14%, japan 12%
17	'292159	Aromatic polyamines and their derivatives; salts thereof (excluding o-phenylenediamine, m-phenylenediamine, p-phenylenediamine or diaminotoluenes and their derivatives, and salts thereof)	6.721	39.14	japan 48.6%, India 13.7%, germany 8.6%
18	'380892	Fungicides (excluding goods of subheading 3808.50)	19.507	10.49	Germany 17.2%, France 11.4%, spain 9.8%
19	'292221	Aminohydroxynaphthalenesulphonic acids and their salts	15.229	367.93	India 79.7%, USA 17.4%, japan 1.3%
20	'281820	Aluminium oxide (excluding artificial corundum)	61.438	8.24	Australia 38.6%, Indonesia 24.2%, Vietnam 16.9%
21	'320210	Synthetic organic tanning substances	13.95	16.87	Italy 20.7%, Germany 20.4%, India 15.1%
22	'380893	Herbicides, anti-sprouting products and plant-growth regulators (excluding goods of subheading 3808.50)	8.263	8.63	Indonesia 24.8%, malaysia 23%, USA 16.2%

23	'290379	Halogenated derivatives of acyclic hydrocarbons containing two or more different halogens (excluding perhalogenated, and chlorodifluoromethane, dichlorotrifluoroethanes, dichlorofluoroethanes, chlorodifluoroethanes, dichloropentafluoropropanes, bromochlorodifluoromethane, bromotrifluoromethane and dibromotetrafluoroethanes)	11.15	131.51	Japan 88.5%, USA 11.4%
24	'281119	Inorganic acids (excluding hydrogen chloride "hydrochloric acid", chlorosulphuric acid, sulphuric acid, oleum, nitric acid, sulphonitric acids, phosphoric acid, polyphosphoric acids, boric acids and hydrogen fluoride "hydrofluoric acid")	11.271	16.45	Japan 36.3%, Israel 25.6%, Japan 13.4%
25	'293319	Heterocyclic compounds with nitrogen hetero-atom[s] only, containing an unfused pyrazole ring, whether or not hydrogenated, in the structure (excluding phenazone "antipyrin" and its derivatives)	6.59	32.00	Germany 36.9%, Ireland 34.9%, India 23.5%
26	'320414	Direct synthetic organic dyes; preparations based on direct synthetic organic dyes of a kind used to dye fabrics or produce colorant preparations (excluding preparations of heading 3207, 3208, 3209, 3210, 3213 and 3215)	4.277	41.26	India 32.1%, Taiwan 14.4%, USA 13.6%
27	'293190	Separate chemically defined organo-inorganic compounds (excluding organo-sulphur compounds and those of mercury, tetramethyl lead, tetraethyl lead and tributyltin compounds)	5.54	4.96	USA 28.7%, Japan 16.3%, Germany 15.3%
28	'380899	Rodenticides and other plant protection products put up for retail sale or as preparations or articles (excluding insecticides, fungicides, herbicides, disinfectants, and goods of subheading 3808.50)	24.105	1153.24	Japan 42%, USA 25.8%, Thailand 13.7%
29	'290712	Cresols and their salts	4.612	34.53	usa 31.9%, India 20.1%, Germany 20%
30	'382319	Fatty acids, industrial, monocarboxylic; acid oils from refining (excluding stearic acid, oleic acid and tall oil fatty acids)	5.873	2.10	Indonesia 75.4%, Malaysia 12.4%, Philippines 3.6%
31	'291419	Acyclic ketones, without other oxygen function (excluding acetone, butanone "methyl ethyl ketone" and 4-Methylpentan-2-one "Methyl isobutyl ketone")	5.849	37.59	USA 58.1%, India 18.9%, Korea 7.2%

32	'293299	Heterocyclic compounds with oxygen hetero-atom[s] only (excluding compounds containing unfused furan ring, whether or not hydrogenated, in the structure, and lactones, isosafrole, 1-[1,3-benzodioxol-5-yl]propan-2-one, piperonal, safrole, tetrahydrocannabinols "all isomers", and inorganic or organic compounds of mercury)	3.473	1.24	Germany 75.6%, Switzerland 6.7%, USA 5.9%
33	'283324	Sulphates of nickel	9.127	53.45	India 33.8%, Taiwan 28.6%, Belgium 10.1%
34	'290930	Aromatic ethers and their halogenated, sulphonated, nitrated or nitrosated derivatives	3.931	5.12	Germany 41.8%, Japan 31%, USA 7.3%
35	'290899	Halogenated, sulphonated, nitrated or nitrosated derivatives of phenols or phenol-alcohols (excluding derivatives containing only halogen substitutes and their salts, dinoseb [ISO] and its salts, and 4,6-Dinitro-o-cresol [DNOC [ISO]] and its salts)	6.023	113.23	India 50.3%, Japan 32.9%, Israel 11%
36	'292151	O-Phenylenediamine, m-phenylenediamine, p-phenylenediamine or diaminotoluenes and their derivatives; salts thereof	4.2	25.43	Belgium 29.7%, Hungary 24.9%, India 14.5%
37	'292700	Diazo-, azo- or azoxy-compounds	3.362	22.58	Japan 38.4%, India 21%, Korea 13%
38	'291570	Palmitic acid, stearic acid, their salts and esters	2.574	9.59	Malaysia 44.5%, Indonesia 13.9%, Taiwan 9.3%
39	'293329	Heterocyclic compounds with nitrogen hetero-atom[s] only, containing an unfused imidazole ring, whether or not hydrogenated, in the structure (excluding hydantoin and its derivatives, and products of subheading 3002 10)	6.253	23.23	japan 39.2%, Belgium 23.3%, USA 7.8%
40	'290949	Ether-alcohols and their halogenated, sulphonated, nitrated or nitrosated derivatives (excluding 2,2'-Oxydiethanol "diethylene glycol, digol" and monoalkylethers of ethylene glycol or of diethylene glycol)	4.62	4.84	USA 22.7%, Thailand 19.4%, Korea 14%
41	'290719	Monophenols (excluding phenol "hydroxybenzene" and its salts, cresols and their salts, octylphenol, nonylphenol and their isomers and salts thereof and naphthols and their salts)	2.314	4.15	Singapore 20.1% , USA 19.2% , Taiwan 16.8%
42	'293349	Heterocyclic compounds with nitrogen hetero-atom[s] only, containing in the structure a quinoline or isoquinoline ring-system, whether or not hydrogenated, but not further fused (excluding levorphanol "INN" and its salts, and inorganic or organic compounds of mercury)	1.128	5.06	India 65.8%, Japan 8.6%, Korea 7.8%
43	'292144	Diphenylamine and its derivatives; salts thereof	4.345	50.39	India 26%, Japan 25.4%, Switzerland 20.3%

44	'320420	Synthetic organic products of a kind used as fluorescent brightening agents, whether or not chemically defined	2.81	16.29	USA 38.1%, Switzerland 22.6%, India 11.3%
45	'292143	Toluidines and their derivatives; salts thereof	3.708	52.17	Korea 66.1%, India 14.4%, USA 7.3%
46	'291090	Epoxides, epoxyalcohols, epoxyphenols and epoxyethers, with a three-membered ring, and their halogenated, sulphonated.	2.523	11.87	Japan 50.3% , USA 17% , Taiwan 8.7%
47	'290514	Butanols (excluding butan-1-ol "n-butyl alcohol")	1.035	3.29	Malaysia 36.6% , USA 17.8% , Indonesia 17.5%
48	'283329	Sulphates (excluding of sodium, magnesium, aluminium, nickel, copper, barium and mercury)	2.729	10.12	Finland (56.5%), USA (12.7%) , Germany (6.9%)
49	'290729	Polyphenols and phenol-alcohols (excluding resorcinol and hydroquinone "quinol" and their salts, and 4,4'-isopropylidenediphenol "bisphenol A, diphenylolpropane" and its salts)	2.636	9.90	France (24.4%) , USA (23.7)% , Italy (18%)
50	'320290	Inorganic tanning substances; tanning preparations, whether or not containing natural tanning substances: enzymatic	2.613	6.51	Turkey (37.8%) , Italy (15.4%) , Germany (11.4%)
51	'291450	Ketone-phenols and ketones with other oxygen function	1.424	15.70	Italy (22.4%) , Germany (18.8%) , Japan (13.5%)
52	291479	Halogenated, sulphonated, nitrated or nitrosated derivatives of ketones or quinones (excl. chlordecone "ISO" and inorganic or organic compounds of mercury)	0.891	35.27	-----

STRATEGY TO BALANCE INDO-CHINA TRADE

Template 2 for Imports substitution

Commodity groups	Existing Imports (2017-18) in USD million	Projected Imports					Action Plan for Import substitution		Interventions required for reducing Imports	Any other Suggestions /Information
		2019-20	2020-21	2021-22	2022-23	2023-24	Existing domestic capacity for production	Augmentation of capacity for achieving increase production and reduction in imports (if any)		
ORGANIC CHEMICALS	2931.5									
AGRO CHEMICALS	726.7									
INORGANIC CHEMICALS	531.3									
OTHER MISCELLAENIOUS CHEMICALS	420.9									

Source: DGCIS