

Table of Chemical and Product Class Information

Substance	CASRN	Chemical Class	Product Class
Acetaldehyde	75-07-0	ORGANIC	Flammable liquid used in manufacture of acetic acid, perfumes, and flavors
Acetic acid	64-19-7	CARBOXYLIC ACID	Food preservative and acidifier, Solvent, Manuf of acetates, acetyl compounds, cellulose acetate, rayon, plastics and rubber in tanning
Acetone	67-64-1	KETONE	Solvent; Antiseptic; Chemical intermediate; Raw material
Acetone (F33)	67-64-1	KETONE	Solvent; Antiseptic; Chemical intermediate; Raw material
2-(Acetyloxy)-1-phenylethanone (F27)	-	KETONE, ESTER	Raw material
Allyl alcohol (F34)	107-18-6	ALCOHOL	Resins, Plasticizers, War gas, Allyl compounds
gamma-(Aminocarbonyl)-N-methyl-N,N-bis(1-methylethyl)-gamma-phenyl-, iodide (F14)	-	ONIUM, AMIDE	Active pharmaceutical ingredient
1-(5-Amino-2-methoxyphenyl) piperazine hydrochloride (F20)	-	HETEROCYCLE, AMINE	Chemical intermediate
tetra-Aminopyrimidine sulfate	5392-28-9	AMINE, HETEROCYCLE, SALT, INORGANIC	Developer
Ammonium nitrate	6484-52-2	SALT, INORGANIC, ONIUM	Fertilizer; Chemical intermediate; Industrial explosive
Ammonium nitrate (F36)	6484-52-2	SALT, INORGANIC, ONIUM	Fertilizer; Chemical intermediate; Industrial explosive
L-Aspartic acid	70-47-3	AMINO ACID	Organic intermediate; Fungicides; Germicides
Benzalkonium chloride	8001-54-5	INORGANIC SALT, ONIUM	Surfactant (cationic), Bactericide, Fungicide, Preservative
Benzalkonium chloride (1 %)	8001-54-5	ONIUM	Surfactant (cationic), Bactericide, Fungicide, Preservative
Benzalkonium chloride (10%)	8001-54-5	ONIUM	Surfactant (cationic), Bactericide, Fungicide, Preservative
Benzalkonium chloride (5%)	8001-54-5	ONIUM	Surfactant (cationic), Bactericide, Fungicide, Preservative
3-((Benzylthio)methyl)-6-chloro-,1,1-dioxide (F29)	-	ETHER, SULFUR COMPOUND, ORGANIC	Active pharmaceutical ingredient
Brij 35	9002-92-0	ALCOHOL	Detergent, Solubilizer, Emulsifier, Lubricant
Butanol	71-36-3	ALCOHOL	Solvent; Chemical intermediate; Flavor ingredient
iso-Butanol	78-83-1	ALCOHOL	Solvent; Chemical intermediate; Flavor ingredient
n-Butanol (F35)	71-36-3	ALCOHOL	Solvent; Chemical intermediate; Flavor ingredient

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2-Butoxyethyl acetate	112-07-2	ESTER	Solvent, Textile dyeing and printing, Leather treatment, Production of plasticizers, Stabilizer
N-Butyl acetate	123-86-4	ESTER	Solvent; Synthetic flavor ingredient
n-Butyl acetate (F39)	123-86-4	ESTER	Solvent; Synthetic flavor ingredient
g-Butyrolactone	96-48-0	HETEROCYCLE, LACTONE	Synthetic intermediate; Solvent
Captan 90 concentrate	133-06-2	IMIDE, SULFUR COMPOUND, ORGANIC	Pesticide
4-Carboxybenzaldehyde	619-66-9	CARBOXYLIC ACID, ALDEHYDE	Manufacturing impurity (polyester); Developer intermediate
Cetylpyridium bromide (F37)	140-72-7	ONIUM, HETEROCYCLE	Surfactant (cationic), Germicide, Laboratory reagent
Cetylpyridinium bromide (0.1%)	140-72-7	ONIUM, HETEROCYCLE	Surfactant (cationic), Germicide, Laboratory reagent
Cetylpyridinium bromide (10%)	140-72-7	ONIUM, HETEROCYCLE	Surfactant (cationic), Germicide, Laboratory reagent
Cetylpyridinium bromide (6%)	140-72-7	ONIUM, HETEROCYCLE	Surfactant (cationic), Germicide, Laboratory reagent
5-Chloro-2,4-disulfamoyl chloroacetanilide (F22)	-	AMIDE	Raw material
Chloroform	67-66-3	HYDROCARBON, HALOGENATED COMPOUND, ORGANIC	Solvent
5-Chloro-3-methylbenzo[b]thiophene-2-sulfonyl chloride (F18)	-	SULFUR COMPOUND, ORGANIC	Raw material
5-Chloro-N-[4-methoxy-3-(1-piperaziny)phenyl]-3-methylbenzo[B]thiophene-2-sulfonamide monohydrochloride (F4)	-	HETEROCYCLE, ETHER, AMIDE	Active pharmaceutical ingredient
Chlorhexidine	55-56-1	AMIDINE	Disinfectant; Mouthwash; Anti-infective agent
Cyclohexanol	108-93-0	ALCOHOL	Solvent; Chemical intermediate
Dibenzoyl-L-tartaric acid	2743-38-6	CARBOXYLIC ACID	Optical resolution agent
Dibenzyl phosphate	1623-08-1	ESTER, ORGANOPHOSPHOROUS COMPOUND	Not classified
Dibutyltin chloride	683-18-1	ORGANOTIN COMPOUND	Molluscicide, Slime control in paper mills, Wood preservative, disinfectant, Biocide in cooling systems, Leather and textile processing
3,4-Dichloroaniline hydrochloride (F11)	-	AMINE, ORGANIC SALT, CYCLIC HYDROCARBON	Chemical intermediate
2,6-Dichlorobenzenesulfonyl chloride (F1)	6579-54-0	ORGANIC SALT, CYCLIC HYDROCARBON, SULFUR COMPOUND	Raw material
2,6-Dichlorobenzoyl chloride	4659-45-4	ACYL HALIDE	Anti-infective; Anti-fungal; Preservative
2,6-Dichloro-5-fluoro-beta-oxo-3-pyridinepropanoate (F16)	96568-04-6	ESTER, KETONE, HETEROCYCLE	Chemical intermediate
1-(3,4-Dichlorophenyl)-5-isopropylbiguanide HCl (F6)	537-21-3	AMIDINE	Active pharmaceutical ingredient
3,4-Dimethoxybenzaldehyde (F19)	120-14-9	ALDEHYDE	Raw material
2,2-Dimethylbutanoic acid	595-37-9	CARBOXYLIC ACID	Pharmaceutical metabolite

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Dimethyl carbonate (F30)	616-38-6	CARBOXYLIC ACID	Raw material
2,5-Dimethylhexanediol	110-03-2	ALCOHOL	Intermediate for pharmaceuticals, pesticides, perfumes
Dimethyl sulfoxide	67-68-5	SULFUR COMPOUND	Solvent, Antifreeze, Paint and varnish remover,
Ethanol	64-17-5	ALCOHOL	Solvent; Beverages; Antifreeze agent
Ethyl acetate	141-78-6	ESTER	Solvent; Synthetic flavoring
2-Ethyl-1-hexanol	104-76-7	ALCOHOL	Solvent; Plasticizer
Ethyl-2-methylacetoacetate	609-14-3	KETONE, ESTER	Not classified
Ethyl trimethyl acetate	3938-95-2	ESTER	Solvent
Fluorescein, sodium	518-47-8	POLYCYCLIC COMPOUND, CYCLIC HYDROCARBON	Phthalic indicator dye; used to detect corneal lesions in ophthalmology
p-Fluoraniline	371-40-4	AMINE	Intermediate for herbicides; Dyes
Fomesafen, acid form (solid)	72128-02-0	IMIDE, ETHER, NITRO COMPOUND	Pesticide
Glycerol	56-81-5	ALCOHOL	Solvent; Plasticizer; Lubricant; Emollient; Drug vehicle
Glycerol	56-81-5	ALCOHOL	Solvent; Plasticizer; Lubricant; Emollient; Drug vehicle
Glycerol (F41)	56-81-5	ALCOHOL	Solvent; Plasticizer; Lubricant; Emollient; Drug vehicle
n-Hexane	110-54-3	ACYCLIC HYDROCARBON	Solvent; Adhesive; Gasoline additive
n-Hexanol	111-27-3	ALCOHOL	Solvent; Chemical intermediate; Synthetic flavor ingredient
3-Hydroxy-2-phenyl-4-quinolinecarboxylic acid (F24)	485-89-2	HETEROCYCLE, CARBOXYLIC ACID, ALCOHOL	Chemical intermediate
HZA-1	-	FORMULATION	Shampoos, Hair care
HZB-1	-	FORMULATION	Soaps and surfactants
HZC-1	-	FORMULATION	Shampoos, Hair care
HZD-1	-	FORMULATION	Shampoos, Hair care
HZE-1	-	FORMULATION	Soaps and surfactants
HZF-1	-	FORMULATION	Shampoos, Hair care
HZG-1	-	FORMULATION	Shampoos, Hair care
HZH-1	-	FORMULATION	Soaps and surfactants, cosmetics
HZI-1	-	FORMULATION	Soaps and surfactants
HZJ-1	-	FORMULATION	Shampoos, Hair care
HZK-1	-	FORMULATION	Soaps and surfactants
HZL-1	-	FORMULATION	Soaps and surfactants
HZM-1	-	FORMULATION	Shampoos, Hair care
HZN-1	-	FORMULATION	Shampoos, Hair care
HZP-1	-	FORMULATION	Shampoos, Hair care
HZQ-1	-	FORMULATION	Soaps and surfactants
HZR-1	-	FORMULATION	Soaps and surfactants
HZS-1	-	FORMULATION	Soaps and surfactants
HZT-1	-	FORMULATION	Soaps and surfactants
HZU-1	-	FORMULATION	Soaps and surfactants
HZV-1	-	FORMULATION	Shampoos, Hair care
HZW-1	-	FORMULATION	Soaps and surfactants
HZX-1	-	FORMULATION	Shampoos, Hair care
HZY-1	-	FORMULATION	Shampoos, Hair care
HZZ-1	-	FORMULATION	Soaps and surfactants
Imidazole	288-32-4	HETEROCYCLE	Anti-fungal; Enzyme inhibitor
1H-Indole-2,3-dione (F28)	91-56-5	HETEROCYCLE	Raw material
Iodine chloride with pyridine (1:1) (F10)	6443-90-9	HETEROCYCLE	Raw material

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di-Isopropyl aminoethyl diphenyl acetamide (F15)	-	AMINE, AMIDE	Raw material
Isopropyl dicyanamide (F9)	35695-36-4	AMINE, NITRILE	Chemical intermediate
Maneb	12427-38-2	AMINE, SALT, ORGANIC, UREA	Pesticide
Mebrophen hydramine HCl (F5)	13977-28-1	ETHER, AMINE, SALT	Active pharmaceutical ingredient
Mercuric chloride	7546-30-7	INORGANIC	Topical antiseptic/disinfectant; corrosive agent
2-Methoxyethanol	109-86-4	ALCOHOL	Solvent
1-(2-Methoxyphenyl)piperazine hydrogen sulfate (F2)	-	HETEROCYCLE, SULFUR COMPOUND, ORGANIC SALT	Raw material
Methyl acetate	79-20-9	ESTER	Solvent; Chemical intermediate; Synthetic flavor ingredient
6-(Methylamino)-2-pyridine ethanol formate (1:1) (salt) (F17)	-	HETEROCYCLE, AMINE, CARBOXYLIC ACID, SALT	Chemical intermediate
Methyl cyanoacetate	105-34-0	ESTER, NITRILE	Adhesive; Pharmaceutical intermediate
Methylcyclopentane	96-37-7	HYDROCARBONS, CYCLIC	Solvent
4,4'-Methylenebis-(2,6-di-tert-butylphenol) (F43)	118-82-3	SULFUR COMPOUND, ORGANIC	Raw material
Methyl ethyl ketone	78-93-3	KETONE	Solvent; Manufacture of lacquers, varnishes, cosmetics, pharmaceuticals
Methyl ethyl ketone (F38)	78-93-3	KETONE	Solvent; Manufacture of lacquers, varnishes, cosmetics, pharmaceuticals
Methyl isobutyl ketone	108-10-1	KETONE	Solvent; Synthetic flavor; Drycleaning
1-Naphthalene acetic acid	86-87-3	CARBOXYLIC ACID, POLYCYCLIC COMPOUND	Pesticide
1-Naphthalene acetic acid, Na salt	61-31-4	SALT, ORGANIC, POLYCYCLIC COMPOUND, CARBOXYLIC ACID, SALT	Pesticide
2-Nitro-4-propoxyaniline (F23)	-	NITRO COMPOUND, AMINE, ETHER	Chemical intermediate
2-Nitro-4-thiocyananiline (F7)	54029-45-7	NITRO COMPOUND, AMINE, SULFUR COMPOUND, ORGANIC	Chemical intermediate
2-Nitro-4-thio-N-propylaniline (F21)	54393-89-4	AMINE, NITRO COMPOUND, SULFUR COMPOUND, ORGANIC	Chemical intermediate
n-Octanol	111-87-5	ALCOHOL	Solvent; Fragrance
tetra-N-Octylammonium bromide (F8)	14866-33-2	ONIUM	Raw material
2-(4-Oxopentyl)-1H-isoindole-1,3 (2H)-dione (F26)	3197-25-9	HETEROCYCLE	Chemical intermediate
(S)-1-Phenyl-N-propylamine (F13)	3789-59-1	AMINE, ORGANIC	Raw material
Polyethylene glycol 400	25322-68-3	ALCOHOL, ETHER	Surfactant (nonionic), Lubricant, Plasticizer, Solvent
Polyethylene glycol 400 (F44)	25322-68-3	ALCOHOL, ETHER	Surfactant (nonionic), Lubricant, Plasticizer, Solvent
Potassium cyanate	590-28-3	SALT, INORGANIC	Herbicide; Pharmaceutical intermediate
Promethazine HCl	58-33-3	AMINE, HETEROCYCLE, SULFUR COMPOUND, ORGANIC	Antihistamine; Anti-nausea drug
iso-Propanol	67-63-0	ALCOHOL	Solvent; Aerosol formulations (ingredient)

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Propylene glycol (F42)	57-55-6	ALCOHOL	Antifreeze, Solvent, Emulsifier, Resins, Inhibitor of fermentation and mold growth
Pyridine	110-86-1	HETEROCYCLE	Solvent; Intermediate for pharmaceuticals, dyes, pesticides
4,4'-Pyridylpiperidine (F12)	-	HETEROCYCLE	Raw material
Quinacrine	69-05-6	AMINE, HETEROCYCLE, POLYCYCLIC COMPOUND	Anti-infective (anti-helminthic)
Silver nitrate	7761-88-8	INORGANIC	Germicide
Sodium dicyanamide (F3)	-	AMIDE	Raw material
Sodium dodecyl sulfate	151-21-3	ORGANIC SALT, CARBOXYLIC ACID, SALT	Anionic detergent, Emulsifier, Lubricant, Solubilizer
Sodium hydroxide	1310-73-2	INORGANIC, ALKALi	Acid neutralizer; caustic agent
Sodium hydroxide (1%)	1310-73-2	ALKALI	Caustic agent
Sodium hydroxide (10%)	1310-73-2	ALKALI	Caustic agent
Sodium hydroxide (F31)	1310-73-2	ALKALI	Caustic agent
Sodium lauryl sulfate (15 %)	151-21-3	SALT, ORGANIC, CARBOXYLIC ACID, SALT	Surfactant (anionic), Detergent
Sodium lauryl sulfate (3 %)	151-21-3	SALT, ORGANIC, CARBOXYLIC ACID, SALT	Surfactant (anionic), Detergent
Sodium oxalate	62-76-0	SALT, ORGANIC, CARBOXYLIC ACID, SALT	Textile finishing; Pyrotechnic, Industrial byproduct
Sodium perborate tetrahydrate	10486-00-7	SALT, INORGANIC, BORON COMPOUND	Household cleaner; Detergent
4,4'-Sulfonylbisbenzenamine (F25)	80-08-0	SULFUR COMPOUND, ORGANIC	Active pharmaceutical ingredient
Toluene	108-88-3	CYCLIC HYDROCARBON	Solvent; Gasoline additive; Manufacture of benzene derivatives, medicines, dyes, perfumes
Toluene	108-88-3	CYCLIC HYDROCARBON	Solvent; Gasoline additive; Manufacture of benzene derivatives, medicines, dyes, perfumes
Toluene (F40)	108-88-3	CYCLIC HYDROCARBON	Solvent; Gasoline additive; Manufacture of benzene derivatives, medicines, dyes, perfumes
Triacetin	102-76-1	ESTER	Solvent, Fixative
Tributyltin chloride	688-73-3	ORGANOTIN COMPOUND	Molluscicide, Slime control in paper mills, Wood preservative, disinfectant, Biocide in cooling systems, Leather and textile processing
Trichloroacetic acid (3%)	76-03-9	CARBOXYLIC ACID	Caustic agent; Fixative; Herbicide
Trichloroacetic acid (30%)	76-03-9	CARBOXYLIC ACID	Caustic agent; Fixative; Herbicide
Trichloroacetic acid (F32)	76-03-9	CARBOXYLIC ACID	Caustic agent; Fixative; Herbicide
Triethanolamine	102-71-6	AMINE, ALCOHOL	Chemical intermediate, Cosmetic ingredient, Vulcanization acelerator
Triton X-100 (10 %)	9002-93-1	ETHER	Surfactant (nonionic), Detergent, Emulsifier
Triton X-100 (5 %)	9002-93-1	ETHER	Surfactant (nonionic), Detergent, Emulsifier

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Tween 20	9005-64-5	ESTER, ETHER	Surfactant (nonionic), Detergent