

Common Hazardous Materials

Attached below is a list of common hazardous materials and their CAS (Chemical Abstract Service) numbers, NFPA codes, and hazard codes. The list is by no means complete, and should only be used as a guide. Many of the chemicals listed as ingredients in a material, their concentrations, and their NFPA & hazard codes, are typical values based on a specific manufacturer's product; different manufacturers of a similar material may have different ingredients and/or concentrations in their product. For the most accurate information you should consult the Material Safety Data Sheets (MSDSs) supplied by the material's manufacturer or your supplier.

Common Name	Chemical Name(s)	Chemical Concentrations	CAS Number(s)	NFPA Code (H-F-R)	Hazard Code
Acetone	Acetone (2-propanone)	100%	67641	1-3-0	FLA
Acetylene	Acetylene, compressed gas	100%	74862	1-4-3	FLG, OHH
Adhesive Remover	Mineral Spirits Butyl Acetate Methylene Chloride	85% 10% (some brands)	8052413 123864 75092	2-3-0	FLA, OHH
Ammonia (anhydrous)	Ammonia	100%	7664417	4-2-0	NFG, COR
Ammonia (aqua)	Ammonia solution	5% to 70%	1336216	3-1-0	COR, OHH
Ammonium-Based Fertilizers	Ammonium nitrate (dry) Ammonium sulfate Ammonium phosphate	10% to 35% 10% to 35% 10% to 35%	6484522 7783202 7722761	0-0-3 2-0-0 2-0-0	REACTIVE TOXIC TOXIC
Ant Granules	Bifenthrin	0.2% to 10%	82657043	2-0-0	TOXIC
Argon (gas)	Argon, compressed gas	100%	7440371	1-0-0	NFG
Argon (liquid)	Argon, cryogenic liquid	100%	7440371	3-0-0	CRY
Argon/Carbon Dioxide Gas Mix ("Blueshield")	-Argon gas -Carbon dioxide gas	75% 25%	7440371 124389	1-1-0	NFG
ATF - Automatic Transmission Fluid	Petroleum hydrocarbon distillate	100%	64743570	1-1-0	COM
Auto body Acrylic Urethane Paint	Talc Titanium Dioxide Barium Sulfate N-butyl Acetate Xylenes Methyl n-amyl ketone Methoxy Propyl acetate Ethyl benzene Aromatic Naphtha Methyl Ethyl Ketone	20% 10% 10% 7% 7% 3% 3% 2% 2% 2%	14807966 13463677 7727437 123864 1330207 110430 108656 100414 64742956 78933	2-3-0	FLA, OHH
Auto body Basecoat Paint	Butyl Acetate Titanium Dioxide Methoxy-2-propyl acetate Aluminum Powder Methyl Ethyl Ketone Ethyl Acetate Carbon Black VM&P Naphtha Xylene	40% 10% 10% 10% 5% 5% 5% 5% 5%	123864 13463677 108656 7429905 78933 141786 7782425 8032324 1330207	2-3-1	FLA, OHH
Auto body Clearcoat Paint	Parachlorobenzotrifluoride Xylenes Methyl (n-amyl) ketone Ethyl benzene Acetone	55% 10% 5% 5% 5%	98566 1330207 110430 100414 67641	2-3-0	FLA, OHH
Automotive Antifreeze	Ethylene Glycol	100%	107211	2-1-0	OHH
Brake Fluid	Polyethylene Glycol Ether Polyethylene Glycol	60% 20%	112505 25322683	1-1-0	COM
Carbon Dioxide (gas)	Carbon Dioxide	100%	124389	1-0-0	NFG
Carbon Dioxide (liquid & solid/"dry ice")	Carbon Dioxide	100%	124389	3-0-0	CRY
Caustic Potash	Potassium Hydroxide	10% to 35%	1310583	2-0-1	COR, OHH
Caustic Soda, Lye	Sodium Hydroxide	100%	1310732	3-0-1	COR
CFC-22	Chlorodifluoromethane	100%	75456	1-0-0	NFG
CNG	Methane	100%	74828	1-4-0	FLG

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Contact Adhesive (solvent-based)	Aliphatic Petroleum Distillate Toluene Acetone Hexane Methyl Ethyl Ketone	32% 15% 15% 7% 10%	64742898 108883 67641 110543 78933	2-3-0	FLA, OHH
Contact Adhesive (water-based)	Toluene Carbamide Polychlorinated rubber Rosin Ester	5% 5% <5% <5%	108883 Proprietary Proprietary Proprietary	1-2-0	COM
Coolant, Food Grade	Propylene Glycol (Propanediol)	50%	57556	0-1-0	COM
Degreaser, Sulfide Scavenger	Monoethanolamine	10% to 30%	141435	3-2-0	COM, FLA
Denatured Alcohol	Ethyl Alcohol Methyl Alcohol	90% 10%	64175 67561	2-3-0	FLA, OHH
Diesel Fuel	Heavy Petroleum Distillate	100%	17122	1-1-0	COM
Diesel Oil, Jet Fuels	Kerosene	100 %	8008206	1-2-0	COM
Dry Cleaning Solvent- "Perc"	Perchloroethylene (Tetrachloroethylene)	100%	127184	2-0-0	TOXIC
Dry Cleaning Solvent- "Silicone"	Decamethylcyclopentasiloxane	100%	541026	2-0-1	TOXIC
Dry Cleaning Solvent- Ecosolv "Isoparaffin"	Aliphatic hydrocarbon	100%	68551177	0-2-0	COM
Dry Cleaning Solvent- Exxon DF2000 "Hydrocarbon"	Petroleum hydrocarbon distillate	100%	64742489	1-2-0	COM
Dursban Insecticide	Chlorpyrifos	2% to 20%	2921882	3-0-0	TOXIC
EDM dielectric fluid, synthetic	Phosphordithioic acid Tricresylphosphate	5% 5%	8649423 1330785	1-0-0	OHH
Epoxy Resin (Bisphenol A based)	Bisphenol-A resin Bisphenol-F resin Benzyl Alcohol	50% 20% 20%	25085998 28064144 100516	2-1-0	OHH
Forming Gas	Nitrogen Hydrogen	90% 10%	7727379 1333740	1-4-0	FLG
Freon 11 / CFC-11	Trichlorofluoromethane	100%	79694	1-1-0	NFG
Freon 113	Trichlorotrifluoroethane	100%	76131	0-0-0	NFG
Freon 123	Dichlorotrifluoroethane	100%	306832	1-0-1	NFG
Freon 134A/ HFC 134A	Tetrafluoroethane	100%	811972	1-0-0	NFG
Freon 408, R-22	Chlorodifluoromethane	100%	75456	0-1-0	NFG
Freon 502	Chloropentafluoroethane	100%	76153	0-0-0	NFG
Gasoline	Aliphatic Petroleum Distillate	100%	8006619	1-3-0	FLA
Gear Lube	Petroleum hydrocarbon distillate	100%	64742547	1-1-0	COM
Gelcoat Resin	Styrene Titanium Dioxide Methyl methacrylate Talc Silica	50% 2% 5% 2% 2%	100425 16463677 80626 14807966 112945525	2-3-2	REACTIVE
Helium (gas)	Helium, compressed gas	100%	7440597	1-0-0	NFG
Helium (liquid)	Helium, cryogenic liquid	100%	7440597	3-0-0	CRY
Hydraulic Oil	Petroleum Hydrocarbon Distillate	100%	64742525	1-1-0	COM
Hydrochloric Acid	NA	30% - 70%	7647101	3-0-1	COR, OHH
Hydrofluoric Acid	Hydrogen fluoride solution	50%	7664393	4-0-2	COR, OHH, REACTIVE
Hydrogen (gas)	Hydrogen, compressed gas	100%	1333740	1-4-0	FLG
Hydrogen Peroxide	Hydrogen Peroxide	10% - 50%	7722841	3-0-1	REACTIVE
Insecticidal Sulfur	Sulfur	2% to 15%	7704349	2-1-0	OHH
Insecticide Granules	Diazinon	0.2% to 10%	333415	4-0-0	TOXIC
Isopropyl Alcohol	Isopropyl Alcohol	100%	67630	1-3-0	FLA, OHH
Kerosene	Kerosene	100%	8008206	1-0-0	COM

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Lacquer Thinner (Air Compliant)	Toluene Acetone Solvent Naphtha Isopropyl Alcohol MEK Isobutyl Acetate Ethyl-Ethoxypropanoate Xylene	30% 20% 15% 10% 5% 5% 5% 5%	108883 67641 64742898 67630 78933 110190 763699 1330207	2-2-0	COM, OHH
Laser Mix, compressed gas	-Helium -Nitrogen -Carbon Dioxide	75% 15% 10%	7440597 7727379 124389	1-0-0	NFG
Paint; Latex House Paint	Propylene Glycol Texanol Ester alcohol	5% 5%	57556 25265774	1-0-0	OHH
Lead Acid Batteries (Vehicles & Cell Tower back-up batteries)	Lead Lead Oxide Lead Sulfate Sulfuric Acid	50% 5% 5% 30%	7439921 7664939 7446142 7664939	3-1-2	COR
LNG	Methane (liquefied)	100%	74828	3-4-0	FLA, OHH
Machining Fluid, Soluble (Blaser, Jokich)	Hydrotreated mineral oil Emulsifiers Chlorinated Paraffins Additives	50% 25% 10% 10%	64742525 68608264 61790441 61788769 Proprietary	1-1-0	COM
Machining fluid, synthetic	Triethanolamine Boric Oxide	5% 5%	102716 10043353	1-0-0	OHH
Machining Oil (Dodge Oil, Golden West Cutting Oil)	Petroleum Distillate, Mineral oil	100%	64741975	1-1-0	COM
Methanol	Methyl alcohol	100%	67561	1-3-0	FLA, OHH
Mineral Oil (cutting Oil)	Petroleum Distillate	100%	8042475	1-2-0	FLA
Motor Oil (General)	Petroleum hydrocarbon distillate	95%	64742650	1-1-0	COM
Muriatic Acid	-Hydrochloric Acid -Water	20% 80%	7647010 7732185	3-0-1	COR
Naphtha solvent	Petroleum naphtha	100%	8030306	1-3-0	FLA
Nitric Acid	Nitric acid	10% to 70%	7697372	3-0-1	COR, OHH
Nitrogen (gas)	Nitrogen, compressed gas	100%	7727379	1-0-0	NFG
Nitrogen (liquid)	Nitrogen, cryogenic liquid	100%	7727379	3-0-0	CRY
Nitrous Oxide (gas)	Nitrous Oxide	100%	10024972	1-0-0	OXI
Paint, Oil-Based House Paint	-Isobutyl acetate -Petroleum distillates -Toluene -Isopropyl alcohol	20% 20% 10% 10%	110190 8002059 108883 67630	2-2-0	FLA, OHH
Oxygen	Oxygen, compressed gas	100%	7782447	1-0-0	OXI
Oxygen	Oxygen, liquid	100%	7782447	3-0-0	OXI, CRY
Packing Foam Part A (Instapak)	Polymethylene polyphenyl isocyanate	20%	9016879	2-1-1	OHH
Packing Foam, Part A	Diphenylmethane diisocyanate	20%	101688	2-1-1	OHH
Packing Foam, Part B (Instapak)	Amine catalyst Glycerin	5% 2%	Proprietary 56815	2-1-0	OHH
Paint Stripper (low-VOC)	-Methyl-2-pyrrolidone -Aromatic Petroleum Distillate	20% 15%	872504 64742945	2-1-0	COM, OHH
Paint Stripper (solvent-based)	-Methylene Chloride -Methyl Alcohol -Aliph. Petroleum Hydrocarbon	80% 10% 10%	75092 67561 64742967	2-3-0	FLA, NARC
Paint Stripper (water-based)	Potassium Hydroxide	10% to 35%	1310583	2-0-1	COR, OHH
Phosphoric Acid	Phosphoric Acid	10% to 70%	7664382	3-0-1	COR
Polyester Resin	-Unsaturated polyester resin base -Styrene	55% 45%	9065683 100425	2-3-2	COR, REACTIVE
Pool Acid (Liquid) – Muriatic Acid	Hydrochloric Acid Water	20% 80%	7647010 7732185	3-0-1	COR

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Pool Acid (Dry) - "pH Down"	Sodium Bisulfate	95%	7681381	3-0-0	COR
Pool Chlorination Tablets	Tricchloro-s-triazine-trione	30%	87901	2-0-1	COR, OHH
Pool Chlorine, Laundry Bleach	Sodium Hypochlorite	12% to 20%	7681529	2-0-1	COR, OHH
Propane / LPG	Propane	100%	74986	1-4-0	FLG
Propylene, compressed gas	Propylene	100%	115-07-01	1-4-2	FLG
Prosecutor PRO herbicide	Glyphosate isopropylamine salt	50%	38614910	1-1-1	TOXIC
Radiator Flush, Caustic Potash, Water-Based Stripper	Potassium Hydroxide	10% to 35%	1310583	2-0-1	COR, OHH
Resin Catalyst (MEKP-based)	-Methyl Ethyl Ketone peroxide -Dimethyl Phthalate	50% 50%	1338234 131113	2-3-2	FLA, REACTIVE
Ronstar Granular Herbicide	Oxadiazon	0.2% to 10%	19666309	4-0-1	TOXIC
Round Up PRO herbicide	Glyphosate isopropylamine salt	50%	38614910	1-1-1	TOXIC
Rust inhibitor, oil-based	Aliphatic Petroleum solvent	100%	64742887	1-2-0	FLA
Rust Inhibitor, synthetic	-Trihydroxytriethylamine	30% to 50%	102716	2-0-0	OHH
Screen Printing Ink, base material (Plastisol)	-Polyvinyl chloride base emulsion -Titanium Dioxide -Kaolin Thickener -Pigments	75% 7% 7% 5% - 15%	9002862 13463677 1332587 Various	1-0-0	OHH
Screen wash solvent (Isoparaffin)	Isoparaffin solvent	100%	68551177	1-2-0	COM
Sodium Bicarbonate	Sodium Bicarbonate	100%	144558	1-0-0	COR
Styrene	NA	100%	100425	2-3-2	FLA, REACTIVE
Sulfuric Acid	NA	10% to 50%	7664939	3-0-1	COR, OHH
SUVA Refrigerants	See Freon refrigerants				
Toluene	NA	100%	108883	2-3-0	FLA, OHH
Urea-based Fertilizer	Carbamide Resin, Carbonyl diamide	2% to 35%	57136	1-0-0	OHH
Vacuum Pump Oil	Petroleum Distillate	100%	64742650	1-1-0	COM
Waste Antifreeze	Ethylene Glycol Water	50% 50%	107211 7732185	2-1-0	OHH
Waste Oil (Lube Oils)	-Heavy Petroleum Distillate -Additives & Sludge	95% 5%	64742650 110541	1-1-0	COM
White Oil, Mineral Oil	Petroleum Distillate	100%	8042475	1-2-0	FLA
Wood glue, commercial grade plastic/resin base	-Urea-formaldehyde polymer -Barium Chloride -Formaldehyde	90% 5% 5%	9011056 10361372 50000	2-3-1	FLA, OHH
Xylene	Xylene	100%	1330207	2-3-0	FLA, TOXIC