

Name	PPE	DOT Class	DOT UN #	DOT Packing Grp	Synonyms
Orange color indicates excessively hazardous, requires special handling					
Acetic acid (>10% <50% acid by mass)	GOG, APRON, HOOD, GLOVES, EXTING	8	2790	III	Glacial acetic acid, Ethanoic acid, Vinegar
Acetone	GOG, APRON, HOOD, GLOVES, EXTING	3	1090	II	Dimethyl ketone, 2-Propanone
Agar	GOG, APRON				Polysaccharide complex
Aluminum	GOG, APRON				
Ammonia	GOG, APRON				
Barium carbonate	GOG, APRON, HOOD, GLOVES				
Barium chloride	GOG, APRON, HOOD, GLOVES				
Barium nitrate	GOG, APRON, HOOD, GLOVES	5.1	1446	II	Nitrobarite
Benedict's solution	GOG, APRON				Benedict's Reagent
Bile salts	GOG, APRON				Sodium salts of glycolic and taururocholic acids
Boiling chips, marble					
Bromothymol blue	GOG, APRON, HOOD, GLOVES				Bromothymol blue pH indicator
Calcium carbide	GOG, APRON, HOOD, GLOVES, EXTING	4.3	1402	I	Calcium carbide, anhydrous
Calcium carbonate	GOG, APRON				Carbonic acid calcium salt, argonite, limestone
Calcium chloride, anhydrous	GOG, APRON				Calcium chloride, anhydrous, Calcium dichloride, Caltac
Calcium hydroxide	GOG, APRON				Slaked lime, Calcium hydrate
Calcium oxide	GOG, APRON	8	1910	III	Quicklime, unslaked lime, burnt lime
Calcium sulfate, hemihydrate	GOG, APRON				Plaster of paris
Cerium Ammonium Nitrate					
Charcoal	GOG, APRON	4.2	1361	III	Activated Carbon
Copper metal	GOG, APRON				Bronze powder, Arwood copper
Copper nitrate	GOG, APRON				Cupric nitrate
Copper oxide	GOG, APRON				Cupric oxide, Black copper oxide
Copper sulfate	GOG, APRON, HOOD, GLOVES				Blue vitriol, Sulfate of copper, Copper sulfate
Dextrose, anhydrous	GOG, APRON				Glucose
Ethyl alcohol	GOG, SHIELD, APRON, HOOD, GLOVES, EXTING	3	1170	II or III	Deuterated ethanol, anhydrous
Hydrochloric acid	GOG, SHIELD, APRON, HOOD, GLOVES	8	1789	II or III	Muriatic acid
Iodine	GOG, APRON, HOOD, GLOVES				
Iodine, gram solution	GOG, APRON				
Lanthanum Nitrate					
Lead metal	GOG, APRON, HOOD, GLOVES				granular lead, pigment metal
Lead nitrate	GOG, APRON, HOOD, GLOVES	5.1	1469	II	Lead(II)nitrate, Lead dinitrate
Lime water	GOG, APRON				Calcium hydroxide
Lithium metal	GOG, SHIELD, APRON, HOOD, GLOVES	4.3	1415	I	
Lithium nitrate	GOG, APRON	5.1	2722	III	
Lycopodium	GOG, APRON				Ground pine spores
Magnesium chloride	GOG, APRON				
Magnesium metal	GOG, APRON				
Manganese dioxide	GOG, APRON				Cement Black, Manganese Black
Methyl alcohol	GOG, SHIELD, APRON, HOOD, GLOVES, EXTING	3	1230	II	Methanol, Wood alcohol, Carbinol
Methyl orange	GOG, APRON				Benzenesulfonic acid, sodium salt
Methylene blue	GOG, APRON				Basic blue 9
Nitric acid <70%	GOG, SHIELD, APRON, HOOD, GLOVES	8	2031	II	Aqua Fortis, Azotic acid
Phenolphthalein	GOG, APRON				
Phenolphthalein solution	GOG, APRON				
Phenyl salicylate	GOG, APRON				Salol
Potassium bromide	GOG, APRON				
Potassium hydroxide (solid)	GOG, APRON, HOOD, GLOVES	8	1813	II	Potassium hydrate, Caustic potash
Potassium iodide	GOG, APRON, HOOD, GLOVES				Iodic acid, Potassium salt; Potide
Potassium nitrate	GOG, APRON	5.1	1486	III	Saltpeter; Nitric acid, Potassium salt
Potassium nitrite	GOG, APRON, GLOVES	5.1	1488	II	
Safranin stain					Basic Red 2
Silicon, metal	GOG, APRON, GLOVES				
Silver acetate	GOG, APRON				
Silver chloride	GOG, APRON, GLOVES				
Soda lime (>4% Sodium Hydroxide)	GOG, APRON, HOOD, GLOVES	8	1907	III	Sodium hydroxide with lime, Calcium oxide, hydrated
Sodium bicarbonate	GOG, APRON				Baking soda, Sodium hydrogen carbonate, Sodium bicarbonate

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Sodium bisulfite	GOG, APRON	8	2693	III	sodium hydrogen sulfite, Sodium acid sulfite
Sodium carbonate	GOG, APRON, HOOD, GLOVES				Soda ash, Disodium carbonate
Sodium chloride	GOG, APRON				Salt, Rock salt, table salt
Sodium hydroxide	GOG, APRON, HOOD, GLOVES	8	1824	II or III	Caustic soda, Lye, Sodium hydrate
Sodium hypochlorite <16%Cl	GOG, APRON	8	1791	II or III	Bleach, Hypochlorous acid, Sodium salt
Sodium metal	GOG, APRON, HOOD, GLOVES, EXTING	4.3	1428	I	Sodium
Sodium nitrate	GOG, APRON	5.1	1498	III	Chile saltpeter
Sodium thiosulfate	GOG, APRON				
Strontium nitrate	GOG, APRON	5.1	1507	III	Strontium(II) nitrate
Sucrose	GOG, APRON				Sugar, Cane sugar
Sulfur	GOG, APRON, HOOD, GLOVES, EXTING				Brimstone, Sublimed sulfur, Flowers of sulfur
Sulfuric acid	GOG, SHIELD, APRON, HOOD, GLOVES				Oil of vitriol, Battery acid
Thermit	GOG, APRON, GLOVES				
Vinegar					Acetic acid solution
Zinc metal	GOG, APRON				granular zinc, mossy zinc
Zinc nitrate	GOG, APRON	5.1	1514	II	Zinc nitrate hexahydrate
Zinc sulfate	GOG, APRON				Zinc vitriol