

EPA's Chemical Compatibility Chart

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A METHOD FOR DETERMINING THE COMPATIBILITY OF CHEMICAL MIXTURES

Please Note: This chart is intended as an indication of some of the hazards that can be expected on mixing chemical wastes. Because of the differing activities of the thousands of compounds that may be encountered, it is not possible to make any chart definitive and all inclusive. It cannot be assumed to ensure compatibility of wastes because wastes are not classified as hazardous on the chart, nor do any blanks necessarily mean that the mixture cannot result in a hazard occurring. Detailed instructions as to hazards involved in handling and disposing of any given waste should be obtained from the originator of the waste.

#	REACTIVITY GROUP NAME																																																																																																
1	Acids, Mineral, Non-oxidizing																																																																																																
2	Acids, Mineral, Oxidizing																																																																																																
3	Acids, Organic																																																																																																
4	Alcohols and Glycols																																																																																																
5	Aldehydes																																																																																																
6	Amides																																																																																																
7	Amines, Aliphatic and Aromatic																																																																																																
8	Azo Compounds, Diazo Compounds and Hydrazines																																																																																																
9	Carbamates																																																																																																
10	Caustics																																																																																																
11	Cyanides																																																																																																
12	Dithiocarbamates																																																																																																
13	Esters																																																																																																
14	Ethers																																																																																																
15	Fluorides, Inorganic																																																																																																
16	Hydrocarbons, Aromatic																																																																																																
17	Halogenated Organics																																																																																																
18	Isocyanates																																																																																																
19	Ketones																																																																																																
20	Mercaptans and Other Organic Sulfides																																																																																																
21	Metals, Alkali and Alkaline Earth, Elemental																																																																																																
22	Metals, Other Elemental & Alloys as Powders, Vapors, or Sponges																																																																																																
23	Metals, Other Elemental & Alloys as Sheets, Rods, Drops, etc.																																																																																																
24	Metals and Metal Compounds, Toxic																																																																																																
25	Nitrides																																																																																																
26	Nitriles																																																																																																
27	Nitro Compounds, Organic																																																																																																
28	Hydrocarbons, Aliphatic, Unsaturated																																																																																																
29	Hydrocarbons, Aliphatic, Saturated																																																																																																
30	Peroxides and Hydroperoxides, Organic																																																																																																
31	Phenols and Cresols																																																																																																
32	Organophosphates, Phosphothioates, Phosphodithioates																																																																																																
33	Sulfides, Inorganic																																																																																																
34	Epoxides																																																																																																
101	Combustible and Flammable Materials, Miscellaneous																																																																																																
102	Explosives																																																																																																
103	Polymerizable Compounds																																																																																																
104	Oxidizing Agents, Strong																																																																																																
105	Reducing Agents, Strong																																																																																																
106	Water and Mixtures Containing Water																																																																																																
107	Water Reactive Substances																																																																																																

CODE	CONSEQUENCE
H	Heat Generation
F	Fire
G	Innocuous and non-flammable gas generation
GT	Toxic Gas formation
GF	Flammable Gas formation
E	Explosion
P	Violent Polymerization
S	Solubilization of toxic substance
U	May be hazardous, but Unknown

<---EXTREMELY REACTIVE! DO NOT MIX WITH ANY CHEMICAL OR WASTE MATERIAL! EXTREMELY REACTIVE!--->