

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	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	101	102	103	104	105	106						
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!-->