CHEMICAL COMPATIBILITY TABLE

	Table produced in	accordance with EPA Incompatib	la Chamicals Starage (916	S_E_00_002\	1	
		i accordance with EPA incompatib	ne chemicais storage (816		1	<u>KEY</u>
	Chemical	Chemical Name	Common Name	Available		Y = May store in same room with each chemical in a separate container.
	Combatibility Groups	tibility Groups Forms			N = Do not store in same room.	
1		Acetic Acid	Ethanoic Acid	Liquid	1	LD = Do not store liquid and dry chemicals in same room. May store in same room if both are liquid or both are dry.
2		Hydrofluosilicic Acid	Fluosilic Acid	Liquid	Y 2	LB - Bo not store liquid and dry chemicals in same room. May store in same room it both are liquid or both are dry.
3	Acids	Hydrogen Fluoride Acid	Hydrofluoric Acid	Liquid	Y Y 3	
4	Acius	Hydrochloric Acid	Muriatic Acid	Liquid	Y Y Y 4	
5		Hypochlorous Acid	Chlorine Hydroxide	Liquid	Y Y Y Y 5	
6		Sulfuric Acid	Dihydrogen Sulfate	Liquid	Y Y Y Y Y	
7	Bases ¹	Calcium Hydroxide	Hydrated Lime	Dry		N 7
8		Calcium Oxide	Quicklime	Dry	N N N N N	N Y 8
9		Calcium Hypochlorite	HTH	Dry	N N N N N	N Y Y 9
10		Sodium Bicarbonate	Sodium Bicarbonate	Dry	N N N N N	N Y Y 10
11		Sodium Carbonate	Soda Ash	Dry	N N N N N	N Y Y Y 11
12		Sodium Hydroxide	Caustic Soda, Lye	Liquid, Dry	N N N N N	N LD LD LD LD 12
13		Sodium Hypochlorite	Bleach	Liquid	N N N N N	N N N N N D 13
14		Sodium Chlorite	Sodium Salt	Liquid, Dry	N N N N N	N LD LD LD LD LD LD 14
15		Sodium Silicate	Waterglass	Liquid	N N N N N	N N N N N D Y N 15
16	Acids Bases ¹ Salts & Polymers	Aluminum Sulfate	Alum	Liquid, Dry	N N N N N	N N N N N N N N N 16
17		Copper Sulfate	Blue Stone	Liquid, Dry	N N N N N	N N N N N N N N N N N N LD 17
18		Ferric Chloride	Ferrichlor	Liquid, Dry	N N N N N	N N N N N N N N N N LD LD 18
19		Ferric Sulfate	Ferri-Floc	Dry	N N N N N	N N N N N N N N N D LD LD LD 19
20		Ferrous Sulfate	Copperas	Liquid, Dry	N N N N N	N N N N N N N N N LD LD LD LD 20
21		Ammonium Sulfate	Ammonium Sulfate	Dry	N N N N N	N N N N N N N N N LD LD LD Y LD 21
22		Polyaluminum Chloride	PACL	Liquid	N N N N N	N N N N N N N N N D LD LD N LD N 22
23		Polyelectrolytes	Polymer Soda Alum	Liquid, Dry	N N N N N	N N N N N N N N N N LD LD LD LD LD LD LD 23
24		Sodium Aluminate Sodium Fluoride	Sodium Fluoride	Liquid, Dry Liquid, Dry	N N N N N	N N N N N N N N N LD LD LD LD LD LD LD 24
25		Sodium Hexametaphosphate	Glassy Phosphate	Dry	N N N N N	N N N N N N N N N LD LD LD LD LD LD LD LD LD 25
27		Sodium Phosphate	Sodium Phosphate	Liquid, Dry	N N N N N	N N N N N N N N N LD 27
20		Zinc Orthophosphate	Zinc Ortho	Liquid, Dry	N N N N N	N N N N N N N N N LD LD LD LD LD LD LD LD LD 27
20		Powdered Activated Carbon	PAC	Dry	N N N N N	N N N N N N N N N N N N N N N N N N N
29 30	Adsorption Powders	Granular Activated Carbon	GAC	Dry	N N N N N	N N N N N N N N N N N N N N N N N N N
31	Oxidizing Powders	Potassium Permanganate	Permanganate	Dry	N N N N N	N N N N N N N N N N N N N N N N N N N
22	CAIGIZING FOWGEIS	Ammonia ^{3,4}	Ammonia ^{3,4}	Liquid, Gas	Y Y Y V V	X X X X X X X X X X X X X X X X X X X
32 33	Compressed Gases ²				^ ^ ^ ^ ^ ^ ^ ^	X X X X X X X X X X X X X X X X X X X
33		Chlorine ³	Gas Chlorine ³	Liquid, Gas	X X X X X	
34 35 36		Carbon Dioxide	Dry Ice	Liquid, Gas	N N N N N	N N N N N N N N N N N N N N N N N N N
35	ļ	Sulfur Dioxide	SO ₂	Liquid, Gas	N N N N N	N N N N N N N N N N N N N N N N N N N
36		Ozone	Ozone	Gas	N N N N N	N N N N N N N N N N N N N N N N N N N

^{1.} Certain concentrated dry chemicals, like calcium hypochlorite and calcium oxide (quicklime), will produce an exothermic reaction when exposed to liquid or even small amounts of moisture.

DO NOT

<u>Do not</u> store liquid chemicals and dry chemicals together regardless of compatibility group.

<u>Do not</u> store chemicals from different compatibility groups together.

<u>**Do not**</u> store products such as paint, antifreeze, detergent, oil, grease, fuel, solvent, and/or beverages in the same area as water treatment chemicals.

DO

<u>**Do**</u> store all chemicals in secure, well ventilated areas that are free of moisture (especially dry chemicals), excessive heat, ignition sources, and flammable/combustible materials.

Do see your Safety Data Sheets for more information or if you encounter a chemical

^{2.} Each compressed gas should have its own separate storage/feed area.

^{3.} Chlorine and ammonia should be stored separately from each other, as well as from all other chemical groups, and require separate ventilation.

^{4.} Includes all chemical compounds containing ammonia: Ammonium Hydroxide, Ammonium Chloride, Ammonium Silicofluoride, Ammonium Sulfate, and Anhydrous Ammonia.