

TECHNOTE: POTENTIALLY INCOMPATIBLE WASTES*		
GROUP 1-A	GROUP 1-B	POTENTIAL CONSEQUENCES
<ul style="list-style-type: none"> Acetylene sludge Alkaline caustic liquids Alkaline cleaner Alkaline corrosive liquids Alkaline corrosive battery fluid 	<ul style="list-style-type: none"> Caustic wastewater Lime wastewater Spent caustic Lime sludge Pickling liquor and other corrosive alkalis 	<ul style="list-style-type: none"> Acid sludge Spent sulfuric acid Battery acid Acidic chemical cleaners Electrolyte, acid
<ul style="list-style-type: none"> Acid and water Spent mixed acid Spent acid Etching acid liquid or solvent 		<p><i>Heat generation</i></p> <p><i>Violent reaction</i></p>
GROUP 2-A	GROUP 2-B	
<ul style="list-style-type: none"> Aluminum Beryllium Calcium Lithium Other reactive metals and metal hydrides 	<ul style="list-style-type: none"> Zinc powder Sodium Potassium Magnesium 	<ul style="list-style-type: none"> Any waste in Group 1-A or 1-B
		<p><i>Fire</i></p> <p><i>Explosion</i></p> <p><i>Generation of flammable hydrogen gas</i></p>
GROUP 3-A	GROUP 3-B	
<ul style="list-style-type: none"> Alcohols 	<ul style="list-style-type: none"> Calcium Potassium Other water-reactive waste Lithium Metal hydrides 	<ul style="list-style-type: none"> SO₂Cl₂ (sulfuryl chloride), SOCl₂ (thionyl chloride), PCl₃ (phosphorus trichloride), CH₃SiCl₃ (trimethyl-trichlorosilane) Any concentrated waste in Group 1-A or 1-B
		<p><i>Fire</i></p> <p><i>Explosion</i></p> <p><i>Heat generation</i></p> <p><i>Generation of flammable or toxic gases</i></p>
GROUP 4-A	GROUP 4-B	
<ul style="list-style-type: none"> Alcohols Nitrated hydrocarbons Unsaturated hydrocarbons 	<ul style="list-style-type: none"> Aldehydes Halogenated hydrocarbons Other reactive organic compounds and solvents 	<ul style="list-style-type: none"> Concentrated Group 1-A or 1-B Group 2 Wastes
		<p><i>Fire</i></p> <p><i>Explosion</i></p> <p><i>Generation of flammable or toxic gases</i></p>
GROUP 5-A	GROUP 5-B	
<ul style="list-style-type: none"> Spent cyanide and sulfide solutions 	<ul style="list-style-type: none"> Group 1-B wastes 	<p><i>Generation of toxic hydrogen cyanide</i></p> <p><i>Generation of hydrogen sulfide gas</i></p>
GROUP 6-A	GROUP 6-B	
<ul style="list-style-type: none"> Chlorates Chlorine Chlorites Chromic acid Hypochlorites Nitric acid, fuming 	<ul style="list-style-type: none"> Perchlorates Permanganates Peroxides Nitrates Other strong oxidizers 	<ul style="list-style-type: none"> Acetic acid and other organic acids Group 2-A wastes Group 4-A wastes
		<ul style="list-style-type: none"> Concentrated mineral acids Other flammable and combustible wastes
		<p><i>Fire</i></p> <p><i>Explosion</i></p> <p><i>Violent reaction</i></p>
* Mixing a Group A material with a Group B material may have the listed consequences..		