

## *Appendix B2 – Restricted Chemicals (Demonstration Use Only)*

<b>Name</b>	<b>Formula</b>	<b>CAS #</b>	<b>NFPA Reactive</b>	<b>NFPA Health</b>	<b>NFPA Flammable</b>	<b>NFPA Special</b>
Aluminum Chloride, Anhydrous (25 g limit)	AlCl <sub>3</sub>	7446-70-0	2	3	0	W
Ammonium Dichromate (100 g limit)	(NH <sub>4</sub> ) <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	7789-09-5	3	4	1	OX
Ammonium Persulfate (100 g limit)	(NH <sub>4</sub> ) <sub>2</sub> S <sub>2</sub> O <sub>8</sub>	7727-54-0	3	2	0	OX
Antimony Metal (50 g limit)	Sb	7440-36-0				
Bromine (3 - 1 g ampules limit)	Br <sub>2</sub>	7726-95-6	0	4	0	OX
Calcium Carbide (100 g limit)	CaC <sub>2</sub>	75-20-7	2	1	3	W
Chromium Oxide (20 g limit)	Cr <sub>2</sub> O <sub>3</sub>	1308-38-9	3	4	0	OX
* Collodion (100 ml limit)	C <sub>25</sub> H <sub>33</sub> O <sub>13</sub> (NO <sub>3</sub> ) <sub>7</sub>	9004-70-0	0	1	4	
* Cyclohexanone (100 ml limit)	C <sub>6</sub> H <sub>10</sub> O	108-94-1	0	1	2	
* Cyclohexene (100 ml limit)	C <sub>6</sub> H <sub>10</sub>	110-83-8	0	1	3	
* Cyclopentanone (100 ml limit)	C <sub>5</sub> H <sub>8</sub> O	120-92-3	0	2	3	
* Diethyl Ether (500 ml limit)	(C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub> O	60-29-7B	1	2	4	
* Diglyme (500 ml limit)	(CH <sub>3</sub> O) <sub>2</sub> CH <sub>2</sub>	111-96-6	1	1	2	
Dinitrophenylhydrazine (100 g limit)	C <sub>6</sub> H <sub>6</sub> N <sub>4</sub> O <sub>4</sub>	119-26-6	2	1	2	
Hydrides, Borohydrides (100 g limit)						

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Hydrogen (limited to 2 cu ft lecture bottle)	H <sub>2</sub>	1333-74-0	0	0	4	
Lithium (20 g limit)	Li	7439-93-2	2	1	1	W
Magnesium (turnings) (100 g limit)	Mg	7439-95-4	2	0	1	W
* Methyl Isobutyl Ketone (MIBK) (250 ml limit)	CH <sub>3</sub> COCH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub>	108-10-1	1	2	3	
Pentane (100 ml limit)	C <sub>5</sub> H <sub>12</sub>	109-66-0	0	1	4	
Phosphorus, Red (Amorphous) (50 g limit)	P	7723-14-0	1	1	1	W
Potassium (1- bottle w/5 demonstration-size pieces)	K	7440-09-7	2	3	1	W
Potassium Chlorate (100 g limit)	KClO <sub>3</sub>	3811-04-9	0	2	0	OX
Silver Oxide (100 g limit)	Ag <sub>2</sub> O	20667-12-	2	1	1	OX
Sodium (100 g limit)	Na	7440-23-5	2	3	3	W
Wright's Stain (HG Containing) (100 ml limit)	Undefined	68988-92-	0	0	3	

**(\*)** Indicates those compounds that have peroxide forming potential that must be addressed in the written chemical management plan.