

CHEMICAL CLASSIFICATIONS

Use any given chemical's Safety Data Sheet (SDS) to identify the category (1-4 or A-F) for each type of hazard below. If the chemical has a category number in the second column, a custom SOP is required. If the chemical has no hazards in the second column but does in the third, a generic SOP for that hazard class can be used. If the chemical has no hazards in the first two columns, no SOP is required but it should still be handled with safe lab practices.

<i>Type of Hazard</i>	Custom SOP	Generic SOP	No SOP
<i>Explosive</i>	1.1, 1.2, 1.3, 1.4	1.5	1.6
<i>Flammable Gas</i>	1A	1B, 2	
<i>Flammable Liquid</i>	1	2, 3	4
<i>Flammable Solid</i>	1	2	
<i>Self-reactive</i>	A, B	C, D, E, F	
<i>Pyrophoric</i>	1		
<i>Self-heating</i>	1, 2		
<i>Water-contact Releases Flammable Gases</i>	1, 2	3	
<i>Oxidizing Gas</i>	1		
<i>Oxidizing Liquid</i>	1	2, 3	
<i>Oxidizing Solid</i>	1	2, 3	
<i>Corrosive to Metals</i>		1	
<i>Acutely Toxic - Oral</i>	1	2, 3	4
<i>Acutely Toxic - Dermal</i>	1, 2	3, 4	5
<i>Skin Damage</i>		1A, 1B, 1C, 2	3
<i>Skin Sensitization</i>	1, 1A, 1B		
<i>Eye Damage</i>	1	2A, 2B	
<i>Acutely Toxic - Inhalation</i>	1, 2	3, 4	5
<i>Respiratory Sensitization</i>	1, 1A, 1B		
<i>Respiratory Irritant</i>	1, 2	3	
<i>Narcotic Effects</i>		3	
<i>Germ Cell Mutagen</i>	1A, 1B	2	
<i>Carcinogen AND/OR Select Carcinogen</i>	1A, 1B	2	
<i>Reproductive Toxin</i>	1A, 1B	2	
<i>Target Organ Toxicity - Single Exposure</i>	1	2	
<i>Target Organ Toxicity - Repeated Exposure</i>		1, 2	

Chemical hazards in red require a customized SOP with EHS & EM Approval!