

HIGH HAZARD CHEMICAL SUBSTANCES

WHAT SHOULD YOU BE LOOKING OUT FOR?

Explosives (including but not limited to GHS # H200, H201, H202, H203, H204, H205, H271)

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| • Ammonium Perchlorate | • Diborane |
| • Perchloric Acid (>72%) and Inorganic Perchlorate Salts | • Germane |
| • Flammable Gases (including GHS #H220, H221) | • Picric acid |
| • 2,4-Dinitrophenol | |

Self-Reactive Substances, Type A: (including GHS # H251)

- Zirconium, finely powdered

Pyrophoric Liquids and Solids (including GHS # H250) Any pyrophoric materials, including but not limited to:

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| • n-Butyllithium | • Organoaluminum compounds |
| • tert-Butyllithium | • Raney Nickel Catalyst |
| • Diethylzinc | |

Water-Reactive Chemicals, Category 1: (including GHS # H260)

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| • Lithium | • Potassium |
| • Rubidium | • Cesium |
| • Sodium | • Lithium Aluminum Hydride |
| • Potassium Hydride | • Sodium Hydride |

Acute Toxicity, Category 1 and 2: (including GHS # H300, H310, and/or H330)

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| • Cyanides [including hydrogen cyanide, cyanide salts, metal cyanides] | • β -Propiolactone |
| • Cyanogens [including cyanogen bromide] | • Dioxins and Dioxine-Like Polychlorinated Biphenyls and Furans |
| • Osmium Tetroxide | • Nickel carbonyl |
| • Hydrogen Fluoride (Hydrofluoric Acid) | • Organotins [including tributyltin] |
| • Alkyl mercury derivatives and other toxic organic mercury compounds [including dimethyl mercury] | • Azoxymethane |
| • Dimethyl sulfate | • MPTP (for use solely in animals, refer to BU Chemical Administration in Animals program) |
| • N-Nitrosodimethylamine | • Phosphine |
| • α -Naphthylamine | • Hydrogen Sulfide |
| • Methyl chloromethyl ether | |

Select Carcinogens (including GHS # H350)

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| • 3,3', Dichlorobenzidine [and it's salts] | • 2-Acetylaminofluorene |
| • β -Naphthylamine | • Ethyleneimine |
| • Benzidine | • Polycyclic Aromatic Hydrocarbons |
| • 4-Aminobiphenyl | • Streptozotocin |

Reproductive Toxicants (including GHS # H360)

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| • Retinol palmitate | • 3-Aminopropionitrile fumarate |
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