Microscan Reagents Safety Overview

March 2022

Reagents listed in table below are new additions to Microbiology. OSHA requires that you are aware of the hazards in these reagents and are provided information and training. The table is a brief synopsis of hazards present, further information is accessible to you through MSDSOnline or by contacting the laboratory Safety Officer.

Please note that Peptidase Reagent is a reproductive toxin. Further information is provided on the SDS sheet.

The reagents listed below contain chemicals known to be hazardous. Each user handling these reagents is required to review the SDS before handling. The table below is a synopsis and is not intended as a substitute for the required SDS review.

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| **Reagent** | **Hazard Statement** | **Handling and Storage** | **PPE Required** |
| Kovac's Reagent | Flammable liquid and vapor  Harmful if swallowed  Causes severe skin burns and eye damage  Harmful if inhaled.  May cause respiratory irritation. | Store at 15 to 30 ˚C.  Store according to instructions on product labeling.  Store away from strong acids, strong bases, strong oxidizers and incompatible materials (see section 10 of SDS) | Nitrile gloves  Fluid resistant lab coat  Safety glasses |
| 40% Potassium hydroxide | Harmful if swallowed  Causes sever skin burns and eye damage | Store at 15 to 30 ˚C.  Store according to manufacturer's directions.  Store away from strong acids, strong bases, strong oxidizers and incompatible materials (see section 10 of SDS) | Nitrile gloves  Fluid resistant lab coat  Safety glasses |

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| Peptidase Reagent | TOXIC TO REPRODUCTION - FERTILITY'  TOXIC TO REPRODUCTION - UNBORN CHILD | Avoid exposure during pregnancy.  Store in original container protected from direct sunlight in a cool, dry, well ventilated area away from incompatible materials (see section 10 of SDS) | Nitrile gloves  Fluid resistant lab coat  Safety glasses |
| Alpha Naphthol | Harmful if swallowed.  Toxi in contact with skin  Causes skin irritation  Causes serious eye damage  May cause respiratory irritataion | Store at 15 to 30 ˚C.  Store according to instructions on product labeling.  Store away from strong acids, strong bases, strong oxidizers and incompatible materials (see section 10 of SDS) | Nitrile gloves  Fluid resistant lab coat  Safety glasses |
| 0.8% Sulfanilic Acid | Causes severe skin burns and eye damage  May cause an allergic skin reaction | Store at 15 to 30 ˚C.  Store according to instructions on product labeling.  Store away from strong acids, strong bases, strong oxidizers and incompatible materials (see section 10 of SDS) | Nitrile gloves  Fluid resistant lab coat  Safety glasses |

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| 0.5% N,N Dimethylalphanaphthylamine | Causes severe skin burns and eye damage | Store at 15 to 30 ˚C.  Store according to instructions on product labeling.  Store away from strong acids, strong bases, strong oxidizers and incompatible materials (see section 10 of SDS) | Nitrile gloves  Fluid resistant lab coat  Safety glasses |
| 10% Ferric Chloride | Causes severe skin burns and eye damage. | Nitrile gloves  Fluid resistant lab coat  Safety glasses recommended | Nitrile gloves  Fluid resistant lab coat  Safety glasses recommended |