

## MATERIAL SAFETY DATA SHEET

1 OF 2

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### Section I: IDENTIFICATION

*Product Name:* **SCHIFF'S REAGENT**

*Date Prepared:* 06/10

*Item Number(s):* 400304, 400720

*Emergency Phone:* 800-535-5053

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### Section II: COMPOSITION

<i>Hazardous Component(s):</i>	<i>CAS Number</i>	<i>OHSA PEL, ACGIH TLV/STEL(PPM)</i>	<i>NFPA</i>
Hydrochloric Acid < 1%	7647-01-0	5 ppm	Health 1
Potassium Metabisulfite <1%	16731-55-8	NA	Flammability 0 Reactivity 0

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### Section III: PHYSICAL DATA

<i>Boiling Point:</i>	~212°F	<i>Specific Gravity (H<sub>2</sub>O = 1):</i>	~1.
<i>Vapor Pressure mm Hg/20 °C:</i>	18	<i>Percent Volatile by Vol:</i>	10%
<i>Vapor Density (Air 1:1):</i>	~1	<i>Evaporation Rate (ether = 1):</i>	NA
<i>Solubility in H<sub>2</sub>O:</i>	Complete	<i>Appearance &amp; Odor:</i>	Colorless liquid, sulfur odor

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### Section IV: FIRE/EXPLOSION HAZARD

*Flash Point:* NA      *Flammable Limits:* LEL NA      UEL NA

*Extinguishing Media:* Water spray, dry chemical, CO<sub>2</sub> and foam

*Special Fire Fighting Procedures:* Wear protective clothing with NIOSH approved breathing apparatus. Products of combustion may be harmful in a fire situation. Do not use direct water stream.

*Unusual Fire & Explosion Hazards:* May emit toxic fumes under fire conditions.

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### Section V: REACTIVITY

*Stability:* Stable      *Material to Avoid:* Strong bases etc.

*Hazardous Decomposition or Byproducts:* Oxides of carbon, chlorine and sulfur

*Hazardous Polymerization:* Does not occur      *Conditions to Avoid:* Excessive heat

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### Section VI: HEALTH HAZARDS

*Routes of Entry:* Inhalation, Skin and Ingestion      *Target Organs:* Lungs and eyes

*Acute:* Vapors may cause eyes, skin and respiratory irritation, nausea, headache and vomiting.

*Chronic:* May cause lung and respiratory problems.

*Carcinogenicity:* Not classified as a human carcinogen.

*Signs/Symptoms of Exposure:* Slightly hazardous to skin in the concentration provided. Protect eyes and respiratory system from mist. Vision blurring, burning sensation and headache.

## MATERIAL SAFETY DATA SHEET

Schiff's Reagent, 2 OF 2

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### Section VI: HEALTH HAZARDS

*Emergency First Aid:*

**Skin:** Remove contaminated clothing. Wash affected area with soap and water.

**Eyes:** Thoroughly flush eyes with water. Contact a physician if irritation persists.

**Ingestion:** Rinse mouth thoroughly with water, provided person is conscious and contact a physician.

**Inhalation:** Remove person to fresh air. If not breathing, give artificial respiration and contact physician.

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### Section VII: SAFE HANDLING

*Chemical Release or Spill:* Isolate the spill area with sand, or other absorbent material. Place all contaminated material in a closed container for disposal.

*Waste Disposal Method:* All liquid and or contaminated material should be disposed of in DOT approved waste containers. Comply with all Federal, State and Local regulations for disposal.

*Precautions for Handling and Storing:* Avoid excessive heat. For large quantities, store in safety cabinet. Use in ventilated area.

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### Section VIII: CONTROL MEASURES

*Respiratory Protection:* Not normally required. If used in a poorly ventilated area use under an approved fume hood or NIOSH approved respirator.

*Ventilation:* Special flammable exhaust hood if vapor concentration is high. In well-ventilated areas, mechanical exhaust is sufficient.

*Protective Gloves:* Chemical resistant      *Eye Protection:* Safety glasses

*Other Protective Clothing or Equipment:* Normal laboratory apparel suggested by Good Laboratory Practices

*Work/Hygienic Practices:* Wash thoroughly with soap and water after handling.

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The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. HealthLink shall not be held liable for any damage resulting from handling or contact with this product.

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