StatLab MEDICAL PRODUCTS

Material Safety Data Sheet (Special Staining)

Schiff's Reagent

Section 1. Product and Preparation Information

Product Identifier	Product Use	Date Prepared
Schiff's Reagent	Special Staining	March 2012

Synonyms / Chemical Name
N/A

Catalog: 33700-xx or Former Mossberg 8000

Manufacturer / Preparer
StatLab Medical Products, LLC
407 Interchange
McKinney, TX 75071

P: 972.436.1010
F: 269.381.5613
Support: 800-442-3573

Emergency Contact
Chemtrec USA and Canada: 800.424.9300
Chemtrec International: 703.527.3887
USA Non-Transport Calls: 800.225.8867

Section 2. Protective Measures

NFPA

US DOT

Personal Protection

Eyes: Goggles
Hands: Latex or nitrile gloves
Body: Laboratory coat
Respiratory Wear: Approved/certified respirator if airborne concentrations exceed exposure limits

Emergency Overview
DANGER! MAY BE HARMFUL IF SWALLOWED. POSSIBLE CANCER HAZARD. CONTAINS MATERIAL THAT MAY CAUSE CANCER BASED ON ANIMAL DATA. CONTAINS A MATERIAL THAT MAY CAUSE RESPIRATORY TRACT, SKIN, AND EYES DAMAGE. CAUSES EYE AND SKIN BURNS. AVOID BREATHING VAPORS AND MIST. KEEP CONTAINER CLOSED. USE ONLY WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.
FOR IN VITRO DIAGNOSTIC USE. FOR LABORATORY USE.

Engineering Controls: Ensure that eyewash stations and quick drench showers are proximal to the workstation or tissue processor.
Handling and Storage: Wash thoroughly after handling. Keep containers closed and out of reach of children. Store at room temperature.
Small Spill and Leak: Dilute with water and mop, or absorb with an inert dry material and place in an appropriate waste disposal container.

Large Spill and Leak: Absorb with DRY earth, sand or other non-combustible material. Avoid skin and eye contact. Prevent entry into sewers, basements or confined areas: dike if needed.
Waste Disposal: Unused Product: Disposal not regulated.
Spent product or spill clean up - Follow all provincial and federal rules.

Section 3. Hazardous Ingredients

Hazardous Ingredient(s)	%	CAS Number	LD50	LC50	TDG PIN
Basic Fuchsin	N/A	569-61-9	N/A	N/A	
Hydrochloric Acid	< 1% v/v	7647-01-0	900 mg/kg oral rabbit	3,124 ppm/1hr. inhalation rat 1,108 ppm/1hr. inhalation mouse	
Sodium Metabisulfite	N/A	7681-57-4	N/A	N/A	

Section 4. First Aid Measures

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.
Skin Contact: Remove contaminated clothing immediately. Wash the affected areas with soap or mild detergent and large amounts of water for at least 15 mins.
Inhalation: Move individual to fresh air immediately. If breathing is difficult, give oxygen. If breathing has stopped, administer artificial respiration. Get medical attn.
Ingestion: Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Give no more than 2 glasses of water. Get medical attention immediately

Section 5. Physical Data

Physical State	Odor and Appearance	Odor Threshold (ppm)	Solubility	Auto-ignition Temp
Liquid	Slight Sulfur odor, Colorless	N/A	Soluble in water	N/A
Vapor Pressure	**Vapor Density**	**Evaporation Rate**	**Boiling Point**	**Flash Point CC**
17 mmHg @ 20°C (MeOH)	0.62 (Air=1)	N/A	212°F (100°C)	N/A
pH	**Specific Gravity**	**Coeff. Water/oil Dist.**	**Freezing Point**	**Flammable Limits**
< 2.10	0.99 (Water=1)	N/A	N/A	N/A

Section 6. Fire and Explosion

Flammability	Conditions	Fl. Pt - Auto Ignition - Flammable Limits
Non-flammable	N/A	See Physical Data above

Explosivity
Not explosive under normal conditions of use.

Hazardous Combustion Products	Means to Extinguish
CO, CO_2, NO, NO_2, SO_2, SO_3	Small Fire– Use dry chemical, carbon dioxide. Large– Use alcohol foam, water spray or fog.

Section 7. Reactivity

Stability	Hazardous Decomposition Products
Product is stable under normal conditions of use	Hydrogen chloride, toxic oxides of sulfur and sodium

Conditions of Reactivity	Hazardous Polymerization	Incompatibility
N/A	No hazardous polymerization	Acids

Section 8. Toxicological Properties

Routes of Entry N/A

Target Organs Skin Eyes and Digestive tract

Effects of Acute Exposure

Eye	Slightly hazardous in case of eye contact (irritant)
Skin	Slightly hazardous (irritant, corrosive). Skin inflammation is characterized by itching, scaling, reddening or occasionally blistering.
Inhalation	Slightly hazardous in case of inhalation.
Ingestion	May be fatal if swallowed. May cause burns to mouth, throat, and stomach.

Effects of Chronic Exposure
Repeated contact may cause eye and skin irritation. Repeated skin exposure may cause defatting of the skin.

Carcinogenic Effects
Basic Fuchsin is classified 2B (Possible for human) by IARC. Classified possible select carcinogen by OSHA.

Reproductive Toxicity
N/A

Teratogenic and Mutagenic Effects
N/A

Exposure Limits	OSHA PEL TWA	ACGIH TLV TWA	STEL	TWAEV (Ont.)	STEV (Ont.)	CEV (Ont.)
Basic Fuchsin	N/A	N/A	N/A	N/A	N/A	N/A
Hydrochloric Acid	5 ppm Ceil	2 ppm Ceil	N/A	N/A	N/A	N/A
Sodium Metabisulfite	5 mg/m^3	5 mg/m^3	N/A	N/A	N/A	N/A

Section 9. Regulatory Information

OSHA Hazardous	Cal. Prop. 65	Canadian WHMIS	RCRA Regulated
Yes Irritant	Not Listed	D2A, E	Not Regulated
SARA 302/304	SARA 313	CERCLA 102A	RQ
HCl Listed	Not Listed	HCl Listed	5000 lbs. HCl
CWA 307	CWA 311	CAA 112 Release Prevention	CAA 112 Reg. Flam. Substance
HCl Listed	Not Listed	HCl Listed	Not Listed
CAA 112 Reg. Toxic Substance	TSCA Inventory	EEC Flammability	CEPA DSL
Not Listed	Listed	N/A	Listed
Proper US DOT Shipping Name	TDG Classification	IATA Classification	
Not Regulated	Not Regulated	Not Regulated	

The information provided above is based upon unused product. Product characteristics may change after use, requiring further classification.

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