

## MATERIAL SAFETY DATA SHEET

### I PRODUCT IDENTIFICATION AND USE

MANUFACTURER'S NAME: Diagnostic Chemicals Limited  
16 McCarville Street  
West Royalty Industrial Park  
Charlottetown, P.E.I.  
Canada C1E 2A6  
902-566-1396

CHEMICAL/PRODUCT NAME: **Glycerol-SL**

CATALOGUE NUMBER: **256-01**

NOTE: Physical and health hazard information on reagent mixtures has not been determined. Any physical and health information noted is based 1) on evaluation of data for the pure ingredients, and 2) concentration of ingredients as packaged.

PRODUCT DESCRIPTION: For the quantitative determination of glycerol. For industrial use only.

### II HAZARDOUS INGREDIENTS

Glycerol-SL Reagent: n.av.  
26.0 mg/dL Glycerol Standard:  
Triton X-100 (10%)

ACGIH TLV (NE = Not Established) CAS

NE

9036-19-5

### III TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY/EXPOSURE

SKIN CONTACT: [x] EYE CONTACT: [x] INHALATION: [x] INGESTION: [x]  
SKIN ABSORPTION [x]

#### **EFFECTS OF ACUTE EXPOSURE:**

SKIN CONTACT: Standard and Reagent may cause irritation

EYE CONTACT: Contact with Standard will cause irritation. Contact with Reagent may cause irritation.

INGESTION: Standard and Reagent may be harmful if ingested.

INHALATION: Standard and Reagent may cause irritation to mucous membranes and upper respiratory tract.

**EFFECTS OF CHRONIC EXPOSURE:** Prolonged or repeated exposure to the Glycerol-SL Reagent may cause an allergic reaction in certain sensitive individuals.

EVIDENCE OF CARCINOGENICITY, TERATOGENICITY, REPRODUCTIVE TOXICITY, MUTAGENICITY: n.av.

SENSITIZATION TO PRODUCT: See effects of Chronic Exposure above.

SYNERGISTIC PRODUCTS: n.av.

LD50: Triton X-100 CG: Oral rat <5000 mg/kg, skin rabbit <3000 mg/kg

### IV EMERGENCY AND FIRST AID MEASURES

SKIN: In case of contact, immediately flush area with plenty of water.

EYES: Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention.

ORAL: If ingested drink plenty of fluids and contact a physician.

INHALATION: If inhaled remove victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen, and call a physician.

### V PHYSICAL DATA

PHYSICAL STATE: Standard and Reagent are both liquids.

APPEARANCE AND ODOUR: The standard is clear and colourless. The Reagent is clear, pale yellow, and has a distinct phenol like odour.

ODOUR THRESHOLD: n.av.

VAPOUR PRESSURE: n.av.

VAPOUR DENSITY: n.av.

SPECIFIC GRAVITY: n.av.

EVAPORATION RATE: n.av.

MELTING POINT: n.av.

BOILING POINT: n.av.

SOLUBILITY IN WATER: Soluble

pH: Standard = n.av., Reagent = 6.8 +/- 0.1 (at 25°C)

COEFFICIENT OF OIL/WATER DISTRIBUTION: n.av.

### VI FIRE AND EXPLOSION HAZARD DATA

FLAMMABLE: No

EXTINGUISHING MEDIA: As appropriate for fire in surrounding materials.

FLASH POINT: n.av.

UPPER FLAMMABLE LIMIT: n.av.

LOWER FLAMMABLE LIMIT: n.av.

AUTOIGNITION TEMPERATURE: n.av.

HAZARDOUS COMBUSTION PRODUCTS: Triton X-100: carbon monoxide, carbon dioxide

EXPLOSION DATA:

SENSITIVITY TO MECHANICAL IMPACT: n.av.

SENSITIVITY TO STATIC DISCHARGE: n.av.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Triton X-100: emits toxic fumes under fire conditions.

### VII REACTIVITY DATA

STABLE: Yes  
HAZARDOUS POLYMERIZATION: Will not occur  
INCOMPATIBILITY WITH OTHER SUBSTANCES: Triton X-100: strong acids, strong bases, and oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: n.ap.

#### **VIII PREVENTIVE MEASURES**

LOCAL EXHAUST: Not required  
PROTECTIVE CLOTHING: Lab coat  
PROTECTIVE GLOVES: Rubber  
EYE PROTECTION: Safety glasses

OTHER PRECAUTIONS: Avoid contact and inhalation, do not get in eyes, on skin or clothing. Do not pipet by mouth. Wash contaminated clothing before reuse.

RESPIRATORY PROTECTION: None normally required.

LEAK AND SPILL PROCEDURE: Absorb small leaks or spills with sponge, mop up large spills with plenty of soap and water.

WASTE DISPOSAL: Standard contains 0.002% (w/v) of a mercuric compound. Dispose of standard in accordance with all Federal, State, and local environmental regulations. Reagent: Dilute with a large volume of water and dispose of into sewer system, in accordance with local regulations.

STORAGE REQUIREMENTS: Store at 2-8°C

SHIPPING INFORMATION: Not regulated

#### **IX PREPARATION OF THE M.S.D.S.**

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DATE: February 14, 2002

*\* n.av. not available n.ap. not applicable*

The information provided on this Material Safety Data Sheet is provided in the interest of promoting safe handling of the material. While this information is believed to be correct DCL makes no warranty in respect to any of the information disclosed. Observe all federal, provincial, state and local laws concerning health and pollution.

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