

Material Safety Data Sheet

1 PRODUCT IDENTIFICATION AND USE

MANUFACTURER: Diagnostic Chemicals Limited
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PRODUCT NAME: Glucose Trinder
CATALOGUE NUMBER: 220-32
PRODUCT USE: For the IN VITRO quantitative determination of glucose in serum.
DATE OF MSDS PREPARATION: July 18, 2007
MSDS PREPARED BY: John Gabriel
EMERGENCY TELEPHONE NO.: 1- (902) 566-1396

2 COMPOSITION, INGREDIENT INFORMATION

<u>COMPONENT</u>	<u>CAS REGISTRY NUMBER</u>	<u>ACGIH TLV</u>
Glucose Color Reagent: Sodium azide 5.3 % w/w	26628-22-8	C0.29 mg.m ³ as Sodium azide (STEL)
		C0.11 ppm as Hydrazoic acid (STEL)
Glucose Standard: Ethylene glycol 33% w/w	107-21-1	C100 mg/m ³ (STEL)

3 HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW:

To the best of our knowledge, neither reagent is hazardous as defined by OSHA (US) or WHMIS (Canada), or dangerous as defined by EU Directives.

POTENTIAL HEALTH EFFECTS:

ROUTE OF ENTRY/EXPOSURE: EYE CONTACT: [X] SKIN CONTACT: [X] INHALATION: [X] INGESTION: [X]
SKIN ABSORPTION: [X]

EFFECTS OF ACUTE EXPOSURE TO PRODUCTS:

EYES: May cause irritation.
SKIN: May cause irritation.
INHALATION: May cause irritation to mucous membranes and upper respiratory tract.
INGESTION: May be harmful if ingested.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT:

EVIDENCE OF CARCINOGENICITY, TERATOGENICITY, REPRODUCTIVE TOXICITY, MUTAGENICITY:

The Color reagent contains no constituents recognized by IARC, ACGIH, or NTP as carcinogenic. No human data on teratogenicity, embryo toxicity or mutagenicity. Prolonged or repeated exposure may cause an allergic reaction in certain sensitive individuals

The Standard contains no constituents recognized by IARC, ACGIH, or NTP as carcinogenic. No human data on embryo toxicity or mutagenicity. May cause teratogenic effects.

Prolonged or repeated exposure may cause severe kidney and brain problems and skin allergies.

Prolonged or repeated exposure to ethylene glycol may cause kidney and brain damage and skin allergies.

4 FIRST AID MEASURES

EYES: Flush eyes with water for at least 15 minutes and obtain medical attention.
SKIN: In case of contact, immediately flush area with plenty of water. If irritation continues seek medical attention.
INHALATION: If inhaled, remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and obtain medical attention.
INGESTION: If ingested, drink plenty of fluids and obtain medical attention.

5 FIRE AND EXPLOSION HAZARDS

FLAMMABLE: No
FLASH POINT: not available
FLAMMABLE LIMITS (% in Air): Lower: not available. Upper: not available
EXTINGUISHING MEDIA: As appropriate for fires in surrounding materials.
FIREFIGHTING: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
AUTOIGNITION TEMPERATURE: not available
HAZARDOUS COMBUSTION PRODUCTS: not available
EXPLOSION DATA: Sensitivity to mechanical impact: not available. Sensitivity to static discharge: not available

6 ACCIDENTAL RELEASE MEASURES

PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL: Ventilate the area. Wear appropriate personal protective equipment as specified in Section 8. Contain and recover liquid when possible. Collect liquid in an appropriate container or absorb with an inert material and place in waste container. Wash surrounding area. Dispose of spilled and contaminated material in accordance with federal, provincial, state, and local regulations.

7 HANDLING AND STORAGE

HANDLING PROCEDURES AND EQUIPMENT: Avoid contact. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.

STORAGE REQUIREMENTS: 2-8 °C

INCOMPATIBILITIES: not available

HAZARDOUS DECOMPOSITION PRODUCTS: not available

8 EXPOSURE CONTROLS, PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust not required under normal circumstances.
PERSONAL PROTECTIVE CLOTHING (PPE): Safety glasses with side-shields, lab coat, rubber nitrile or other impermeable gloves.
RESPIRATORY PROTECTION: none required.
EXPOSURE LIMITS: not available

9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: The color reagent is a solid. The standard is a liquid.
APPEARANCE: The color reagent is an off-white powder. The standard is clear and colorless.
ODOUR: Odourless
ODOUR THRESHOLD: not available
MELTING POINT: not available
BOILING POINT: not available
SPECIFIC GRAVITY: not available
VAPOUR PRESSURE: not available
VAPOUR DENSITY: not available
WATER SOLUBILITY: soluble
EVAPORATION RATE: not available
pH at 25 °C: Color reagent=not available (7.25 reconstituted); Standard=7
COEFFICIENT OF OIL/WATER DISTRIBUTION: not available

10 STABILITY AND REACTIVITY

STABILITY: Stable
POSSIBLE HAZARDOUS REACTIONS/CONDITIONS: not available
CONDITIONS TO AVOID: not available
MATERIALS TO AVOID: not available
HAZARDOUS DECOMPOSITION PRODUCTS: not available.

11 TOXICOLOGICAL INFORMATION

LD₅₀: Sodium azide: 27 mg/kg, oral rat. 20 mg/kg, skin rabbit. 37 mg/m³, inhalation rat

Ethylene glycol: 4700 mg/kg, oral rat. 9530 mg/kg, skin rabbit.

SENSITIZATION TO PRODUCT: The standard may cause sensitization

NAME OF TOXICOLOGICALLY SYNERGISTIC PRODUCTS: not available

IRRITANCY OF PRODUCT: not available

12 ECOLOGICAL INFORMATION

not available

13 DISPOSAL CONSIDERATIONS

RECOMMENDATION FOR DISPOSAL OF UNUSED PRODUCT: Observe all federal, provincial, state and local regulations.

RECOMMENDATION FOR DISPOSAL OF PACKAGING: Observe all federal, provincial, state and local regulations.

14 TRANSPORT INFORMATION

SPECIAL SHIPPING INFORMATION:

not regulated

15 REGULATORY INFORMATION

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulation (CPR) and the MSDS contains all the information required by the CPR.

16 OTHER INFORMATION

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 the environment.

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