

## 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: **Total Serum Cholesterol Assay Kit**

CATALOGUE NUMBER: **225-26, 225-26-91R1, 225-26-91R2, 225-28, 225-28M**

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 cholesterol.

### II HAZARDOUS INGREDIENTS (NE not established)

	<u>ACGIH TLV</u>	<u>CAS</u>
R1: Colour Reagent: Chloramphenicol 0.1%	NE	56-75-7
R2: 40 mM Phenol Solution: n.ap.		
Cholesterol Standard:		
Bio-soft ET 630 9%	NE	66455-15-0

### 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: Harmful, Standard will cause irritation.

EYE CONTACT: Contact with the Standard will cause irritation.

INGESTION: Harmful, chloramphenicol is possibly a human carcinogen.

INHALATION: May cause irritation to the mucous membranes and upper respiratory tract.

**EFFECTS OF CHRONIC EXPOSURE:** Prolonged or repeated exposure to the colour reagent may cause an allergic reaction in certain sensitive individuals. Chloramphenicol is possibly a human carcinogen.

**EVIDENCE OF CARCINOGENICITY, TERATOGENICITY, REPRODUCTIVE TOXICITY, MUTAGENICITY:** Chloramphenicol is embryo toxic, causes reproductive effects, and is possibly carcinogenic to humans.

IRRITANCY: n.av.

SENSITIZATION TO PRODUCT: See effects of chronic exposure.

SYNERGISTIC PRODUCTS: n.av.

LD50: Chloramphenicol 2500 mg/kg, oral rat.

LD50: Bio-soft ET 630 5 g/kg, oral rat.

### 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: Colour reagent, 40 mM phenol solution, and the Standard are liquids.

APPEARANCE AND ODOUR: The colour reagent is clear and colourless. The 40 mM phenol solution is clear and amber, with a slight medicinal odour. The Standard is clear and colourless.

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: Colour Reagent = 6.5, 40 mM phenol solution n.av. Standard n.av.

COEFFICIENT OF OIL/WATER DISTRIBUTION: n.av.

### VI FIRE AND EXPLOSION HAZARD DATA

FLAMMABLE: No

EXTINGUISHING MEDIA: Carbon dioxide, water spray, foam, or dry chemical.

FLASH POINT: n.av.

UPPER FLAMMABLE LIMIT: n.ap.

LOWER FLAMMABLE LIMIT: n.ap.

AUTOIGNITION TEMPERATURE: n.ap.

HAZARDOUS COMBUSTION PRODUCTS: n.av.

EXPLOSION DATA:

SENSITIVITY TO MECHANICAL IMPACT: n.ap.

SENSITIVITY TO STATIC DISCHARGE: n.ap.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Unknown

### VII REACTIVITY DATA

STABLE: Yes

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBILITY WITH OTHER SUBSTANCES: n.ap.

HAZARDOUS DECOMPOSITION PRODUCTS: n.av.

#### **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: Dilute with a large volume of water and dispose of into sewer system, in accordance with local regulations.

STORAGE REQUIREMENTS: 2-8°C

SHIPPING INFORMATION: Not regulated.

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

PREPARED BY: Denise Bustard  
PHONE NO: 902-566-1396  
DATE: January 25, 2001

\* *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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