

Material Safety Data Sheet

HDL-C / LDL-C Calibrator

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: HDL-C / LDL-C Calibrator

Catalog Numbers: 1913-003, UV6791xxxx-BP

Use: For calibrating the quantitative Direct HDL and LDL Cholesterol Plus assays.

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Chemtel

24 Hour Emergency Assistance

1-800-255-3924

813-248-0585

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazard Classification: NON-HAZARDOUS SUBSTANCE, NON DANGEROUS GOODS.

Hazard Category: None allocated

RISK PHRASES

None allocated

SAFETY PHRASES

S22 Do not breathe dust.

S24/25 Avoid contact with skin and eyes.

Poison Schedule: None allocated [Aust].

3. HAZARD IDENTIFICATION

This product contains human source material. Treat as potentially infectious. Each serum donor unit used in the preparation of this product has been tested by an FDA approved method and found non-reactive for the presence of HbsAg, HCV and antibody to HIV 1/2. No known test method can offer complete assurance that products derived from human blood are free of infectious agents. Handle this product as if capable of transmitting an infectious disease.

All other ingredients in this product are not hazardous according to the ASCC/NOHSC/EU criteria.

4. FIRST AID MEASURES

Swallowed: If swallowed, **DO NOT** induce vomiting. Give 1 to 2 glasses of water to drink. Seek immediate medical assistance.

Eye: If material is splashed into eyes, immediately, flush with plenty of water for 15 minutes, ensuring eye lids are held open. If irritation persists transport to hospital or doctor.

Skin: If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly with soap and water. If irritation persists transport to hospital or doctor.

Inhaled: Move victim to fresh air. Apply resuscitation if victim is not breathing.

First Aid Facilities: Eye wash fountain, safety shower and normal wash room facilities.

Advice to Doctor: Treat symptomatically.

In case of poisoning, contact Poisons Information Centre

In Australia call Tel: 131126

In New Zealand Tel: 034747000

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5. FIRE-FIGHTING MEASURES

Fire/Explosion Hazard

If safe to do so, move undamaged containers from fire area.

Hazardous Decomposition Products: Decomposes on heating emitting oxides of nitrogen.

Fire Fighting Procedures: Fire fighters to wear Self-contained breathing apparatus (SCBA) in confined spaces, in oxygen deficient atmospheres or if exposed to products of decomposition. Full protective clothing is also recommended.

Extinguishing Media: Use extinguishing media suitable for surrounding fire situation.

Hazchem Code: None allocated

Flammability

This material is not a combustible or flammable solid.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Avoid generating dusts. Ventilate area. If possible wet area down to prevent high dust levels. Wear protective equipment to prevent skin and eye contact, as outlined under personal protection in this MSDS.

Methods and Materials for Containment and Clean Up Procedures:

Throw diatomaceous earth or other inert material onto spill, then shovel up with non-sparking shovel and seal in properly labeled containers for disposal. If available, use dustless methods, such as a HEPA vacuum and filter.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Do not swallow. Provide adequate ventilation. Avoid generating dusts.

Conditions for Safe Storage:

Store in a cool place and out of direct sunlight. Keep containers closed, when not using the product. Store at 2-8°C and the reagent will be stable until the expiry date stated on the bottle and kit box labels. Store in original packaging, as approved by manufacturer.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards

No exposure standards are available for this product, however, the nature of the product is a dust therefore it is recommended that an exposure standard of 10 mg/m³ for an eight hour exposure based upon Nuisance dust.

Engineering Controls

Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate.

Personal Protection Equipment

GLOVES: Rubber or latex gloves. For people with sensitive skins the use of neoprene or nitrile is recommended.

EYES: Chemical goggles or faceshield to protect eyes.

RESPIRATORY PROTECTION: Avoid breathing of Dusts. Select and use respirators in accordance with AS/NZS 1715/1716. The use of a dust mask is recommended. For a higher concentrations (for example in extremely dusty environments) use a half-face respirator fitted with a P1 filter. Filter capacity and respirator type depends on exposure levels and type of contaminant. If entering spaces where the airborne concentration of a contaminant is unknown then the use of a Self-contained breathing apparatus (SCBA) with positive pressure air supply complying with AS/NZS 1715 / 1716, or any other acceptable International Standard is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Lyophilized powder.
Boiling Point:	Not available.
Freezing Point:	Not available.
Vapour Pressure:	Not available.
Specific Gravity:	Not available.
Flash Point:	Not applicable.
Flammability Limits:	Not applicable.
Solubility in Water:	Completely miscible.

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10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions of use.

Conditions to Avoid: Excessive heat may damage the material. Avoid contact with heavy metals or acids and prolonged exposure to direct sunlight.

Incompatible Materials: Acid chlorides, nitrogen oxides and heavy metals.

Hazardous Decomposition Products: Decomposes on heating emitting oxides of nitrogen.

Hazardous Reactions: Will not occur.

11. TOXICOLOGICAL INFORMATION

May be harmful by inhalation, ingestions or skin absorption. May cause skin, eye or respiratory irritation. Human source material present.

The toxicological properties have not been thoroughly investigated.

Acute Health Effects

Swallowed: Swallowing large quantities may cause irritation to mouth, throat and stomach, which may lead to nausea, vomiting and diarrhoea.

Eye: May cause mechanical irritation to the eyes, with effects including: tearing, pain, stinging and blurred vision. These effects are anticipated to be of a transient (short acting) nature and no long term injury is envisaged.

Skin: May cause irritation to the skin.

Inhaled: May cause irritation to the mouth, throat and upper respiratory system.

Chronic: Prolonged or repeated inhalation of the dust may cause sneezing, coughing and mucous buildup.

12. ECOLOGICAL INFORMATION

No ecological information available for this product.

Ecotoxicity: No information for product.

Mobility: No information for product.

Persistence / Degradability: No information for product.

Chemical Fate Information: No information available.

Do not dispose of large quantities to waterways, drains or sewers.

13. DISPOSAL CONSIDERATIONS

Methods of Disposal:

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor.

Packaging:

Containers of this material may retain product residues. Handle contaminated packaging in the same way as the substance itself, by disposing in accordance with all applicable federal, state and local environmental and hazardous waste regulations.

14. TRANSPORT INFORMATION

UN Number: None allocated

Proper Shipping Name: NONE ALLOCATED

Dangerous Goods Class: None allocated

Subsidiary risk: None allocated

Packing Group: None allocated

Hazchem Code: None allocated

Label: None allocated

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14. TRANSPORT INFORMATION

Road and Rail Transport:

Not classified as a Dangerous Good according to the United Nations Recommendations for the Transport of Dangerous Goods and Globally Harmonized System for the classification and labelling of Chemicals.

Air Transport:

Not classified as a Dangerous Good according to the International Civil Aviation Organization (ICAO) and International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Marine Transport:

Not classified as a Dangerous Good according to the International Maritime Organization Rules (Maritime Dangerous Goods Code - IMDG Code) for transport by sea.

15. REGULATORY INFORMATION

Poison Schedule: None allocated [Aust].

Inventory Status:

Australia (AICS)	Y
United States (TSCA)	Y
Canada (DSL)	Y
Europe (EINECS/ELINCS)	Y

Y = all ingredients are on the inventory.

If approved for European Communities use, this product is regulated under the In Vitro Diagnostic Medical Devices Directive (98/79/EC).

16. OTHER INFORMATION

Issue date: December, 2006

Key Legend Information:

NOHSC - National Occupational Health & Safety Commission {Formerly Worksafe}[Aust]

ASCC - Australian Safety and Compensation Council [Aust]

SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons [Aust]

TWA - Time Weighted Average [Int]

STEL - Short Term Exposure Limit [Int]

AICS - Australian Inventory of Chemical Substances

Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:1997) [Aust]

EPA - Environmental Protection Agency [Int]

NIOSH - National Institute for Occupational Safety and Health [US]

TSCA - Toxic Substances Control Act [US]

OSHA - Occupational Safety and Health Administration [US]

AS/NZS 1715 - Selection, use and maintenance of respiratory protective devices. [Aust/NZ]

AS/NZS 1716 - Respiratory protective devices. [Aust/NZ]

Hazchem Code - Fire fighters designation [Aust]

IATA - International Aviation Transport Authority [Int]

ICAO - International Civil Aviation Organization [Int]

IMO - International Maritime Organisation. [Int]

IMDG - International Maritime Dangerous Goods [Int]

United Nations Recommendations for the Transport of Dangerous Goods and Globally Harmonized System for the classification and labelling of Chemicals. [Int]

EINECS - European Inventory of Existing Commercial Chemical Substances. [Int]

ELINCS - European List of Notified Chemical Substances. [Int]

EU - European Union [Int]

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16. OTHER INFORMATION

EU Directives: The classification criteria used, are adopted from the European Community's (EC) legislation for classifying dangerous substances. The criteria are taken from:

EC Council Directive 67/548/EEC

EC Council Directive 1999/45/EC

[Aust/NZ] = Australian New Zealand

[Int] = International

[US] = United States of America

Principal References:

Information supplied by manufacturer, reference sources including the public domain.

Disclaimer

This MSDS summarises our best knowledge of the health and safety hazard information available on the product and the measures to be used to handle and use the product safely. Each user should read this MSDS and consider the information in connection with the way the product is intended to be handled or used. Responsibilities of the supplier associated with this product are outlined in our standard terms and conditions, a copy of which is sent to customers and is available on request.

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END OF MSDS