

Material Safety Data Sheet

Not classified as Hazardous according to criteria of Worksafe Australia
Not classified as Hazardous according to Occupational Safety and Health Administration's (OSHA)
Communication Standard , 29 CFR 1910.1200

DATA-CAL Calibrator

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

THERMO TRACE LTD
A.B.N. 47 002 634 442
189 - 199 Browns Rd
NOBLE PARK VIC 3174
AUSTRALIA
Tel: +61 3 9790 4100
Fax: +61 3 9790 4155
E-mail: trace@thermotrace.com.au

THERMO DMA
331 South 104th Street
LOUISVILLE, CO 80027
U.S.A

Tel: (303) 581 6428
Fax: (303) 581 6429
E-mail: inquiries@thermodma.com

Product Name: DATA-CAL Calibrator Set

Catalog Numbers: 1905-505

Use: For calibrating the quantitative calibration of clinical chemistry assays.

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

Poison Schedule: None allocated

Contact Point

Australia

Quality Assurance Manager:

Tel: +61 3 9790 4100

Mon – Fri 9:00am to 5:00pm

U.S.A

Chemtel

24 Hour Emergency Assistance

1-800-255-3924

2. COMPOSITION / INFORMATION ON INGREDIENTS

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 criteria of Worksafe Australia and OSHA Communication Standard 29 CFR 1910.1200

3. HAZARD IDENTIFICATION

Not Classified as hazardous according to the criteria of Worksafe Australia and OSHA Communication Standard 29 CFR 1910.1200

Hazard Category: None allocated

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.

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3. HAZARD IDENTIFICATION (cont)

Chronic:

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

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

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.

Flammability

This material is not a combustible or flammable solid.

6. ACCIDENTAL RELEASE MEASURES

Calibrator:

Avoid generating dusts. Wear suitable protective equipment. Ventilate area. If possible wet area down to prevent high dust levels. Should material enter drain, flush with large volumes of water to minimize the buildup of metal azides. If available, use dustless methods, such as a HEPA vacuum and filter. Otherwise, use a non-sparking shovel and place into a suitably labeled container for later disposal. Do not dry sweep.

Diluent:

Walk cautiously. Ventilate area. Wear protective equipment to prevent skin and eye contact, as outlined under personal protection in this MSDS. If large quantities of this product have spilt, then bund area using sand or soil - to prevent run off into drains and waterways. Place absorbent (soil, sand, vermiculite or other inert material) onto spill. Collect and seal in properly labeled containers for disposal. For small spills (less than 1 L) flush to drain with large quantities of water.

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7. HANDLING AND STORAGE

Calibrator:

Avoid generating dusts. 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 packages as approved by manufacturer.

Diluent:

Store in a cool place and out of direct sunlight. Store away from sources of heat or ignition. Store away from oxidizing agents. Keep containers closed, when not using the product. When stored at 2 - 8°C the reagent will be stable until the expiry date on the bottle. Store in original packages 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

	Calibrator	Diluent
Appearance:	Lyophilized powder.	Clear, colourless liquid
Boiling Point:	Not available.	Not available.
Freezing Point:	Not available.	Not available.
Vapour Pressure:	Not available.	Not available.
Specific Gravity:	Not available.	Not available.
Flash Point:	Not applicable.	Not applicable.
Flammability Limits:	Not applicable.	Not applicable.
Solubility in Water:	Completely miscible.	Completely miscible.

10. STABILITY AND REACTIVITY

STABILITY:

Stable under normal conditions of use.

HAZARDOUS DECOMPOSITION PRODUCTS:

Decomposes on heating emitting oxides of nitrogen.

HAZARDOUS POLYMERIZATION:

Will not occur.

INCOMPATIBILITIES:

Acid chlorides, nitrogen oxides and heavy metals.

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10. STABILITY AND REACTIVITY (cont)

CONDITIONS TO AVOID:

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

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.

12. ECOLOGICAL INFORMATION

Aquatic toxicity: Data not available.

Persistency: Data not available.

Biological oxygen demand (BOD): Data not available.

Food chain concentration potential: Data not available.

Avoid contaminating waterways, drains or sewers.

13. DISPOSAL CONSIDERATIONS

Refer to appropriate authority in your State. Normally suitable for disposal by approved waste disposal agent

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

Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) 6th Edition. Not classified as a Dangerous Good according to the UN, DOT(US), ICAO(IATA) or IMO(IMDG).

15. REGULATORY INFORMATION

Poison Schedule: None allocated

RISK PHRASES

None allocated

SAFETY PHRASES

S22 Do not breathe dust.

S24/25 Avoid contact with skin and eyes.

16. OTHER INFORMATION

Disclaimer

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

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