

# 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

## INFINITY™ AMYLASE LIQUID

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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Tel: (303) 581 6428  
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E-mail: [inquiries@thermodma.com](mailto:inquiries@thermodma.com)

**Product Name:** INFINITY™ AMYLASE LIQUID STABLE REAGENT

**Catalog Numbers:** TR25421, 1174-200H, BU2541-BP, UV2541xxxx-BP, VC2541xxxx, VT2541xxxx

**Use:** This reagent is intended for the in vitro diagnostic use only, for the quantitative determination of  $\alpha$ -amylase (1,4- $\alpha$ -D-glucan glucanohydrolase EC3.2.1.1) in human serum or urine on both manual and automated systems.

**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

| SUBSTANCE NAME | Proportion | CAS Number |
|----------------|------------|------------|
|----------------|------------|------------|

All 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:**

Drinking large quantities of this product, may cause irritation to mouth, throat and stomach with effects including mucous build up, irritation to the tongue and lips and pains in the stomach, which may lead to nausea, vomiting and diarrhoea.

##### **Eye:**

May cause mild irritation to the eyes, with effects including: tearing 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 mild irritation to the skin. Not anticipated to be absorbed through the skin.

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### 3. HAZARD IDENTIFICATION (Cont)

**Inhaled:**

If the product is heated, the mists generated from this product may cause irritation to the mouth, throat and upper respiratory system.

**Chronic:**

Prolonged or repeated skin exposure may cause skin rashes in some susceptible individuals.

### 4. FIRST AID MEASURES

**Swallowed:**

If swallowed, and if more than 15 minutes from a hospital, **induce vomiting**, preferably using Ipecac Syrup APF.

**Eye:**

If liquid or mists enter the eyes, flush with plenty of water for at least 15 minutes, ensuring eye lids are held open. If irritation develops or persists, immediately 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.

### 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 indeterminate decomposition products.

**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 liquid.

### 6. ACCIDENTAL RELEASE MEASURES

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.

### 7. HANDLING AND STORAGE

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.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Exposure Standards

The National Occupational Health & Safety Commission (NOHSC) has not assigned any exposure standards for this product or for any of the components:

#### Engineering Controls

Maintain adequate ventilation at all times. No other measures are required for this product.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION (cont.)

#### Personal Protection Equipment

**GLOVES:** Not normally required, however, if handling large quantities the use of natural rubber is recommended.

**EYES:** Goggles or faceshield for spills.

**RESPIRATORY PROTECTION:** Not required.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

|                             |                                          |
|-----------------------------|------------------------------------------|
| <b>Appearance:</b>          | Clear colourless liquid with mild odour. |
| <b>Boiling Point:</b>       | Not available.                           |
| <b>Melting Point:</b>       | Not available.                           |
| <b>Vapour Pressure:</b>     | Not available.                           |
| <b>Specific Gravity:</b>    | Not available.                           |
| <b>Flash Point:</b>         | Not applicable.                          |
| <b>Flammability Limits:</b> | Not applicable.                          |
| <b>Solubility in Water:</b> | Soluble.                                 |

#### Other Properties

|                                 |                    |
|---------------------------------|--------------------|
| <b>pH:</b>                      | 7.00 ± 0.10 @ 20°C |
| <b>Vapor Density (Air = 1):</b> | Not available.     |

### 10. STABILITY AND REACTIVITY

#### STABILITY:

Stable under normal conditions of use.

#### HAZARDOUS DECOMPOSITION PRODUCTS:

Decomposes on heating emitting indeterminate decomposition products.

#### HAZARDOUS POLYMERIZATION:

Will not occur.

#### INCOMPATIBILITIES:

Strong oxidizing agents.

#### CONDITIONS TO AVOID:

Generation of mists.

### 11. TOXICOLOGICAL INFORMATION

There is no toxicological information available for this product, the following is expected:

Oral LD50(rat): > 5,000 mg/kg

Dermal LD50(rabbit): > 5,000 mg/kg

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### 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

S23 Do not breathe mist.

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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