

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

GGT Liquid Plus

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

THERMO ELECTRON
189 - 199 Browns Rd
NOBLE PARK VIC 3174
AUSTRALIA
Tel: +61 3 9790 4100
Fax: +61 3 9790 4155
E-mail: info.clinicalchemistry@thermo.com

THERMO ELECTRON
331 South 104th Street
LOUISVILLE, CO 80027
U.S.A
Tel: (303) 581 6428
Fax: (303) 581 6429
E-mail: info.clinicalchemistry@thermo.com

Product Name: Liquid GGT Plus Reagent

Manufacturer's Product Code: 1470-200, 1470-500, 1470-400, 1470-200H

Use: This reagent is intended for the invitro quantitative determination of gamma-glutamyltransferase (GGT) [gamma-Glutamyl) - Peptide: Amino Acid gamma-Glutamyltransferase, EC2.3.2.2], in human serum or plasma, 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
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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 ,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.

Inhaled:

Mists from the product may cause irritation to the nose, throat and respiratory system.

Chronic:

Prolonged or repeated skin contact may lead to skin rashes in some susceptible individuals.

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4. FIRST AID MEASURES

Swallowed:

If swallowed, **DO NOT** induce vomiting. If conscious, 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 carbon and 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 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 vermiculite - to prevent run off into drains and waterways. Throw absorbent (vermiculite or other inert material) onto spill. Scoop up 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 oxidizing agents. 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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards

No exposure standards are available for this product.

Engineering Controls

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

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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: Avoid breathing of mists. The use of a respirator is not normally required, however, 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. Select and use respirators in accordance with AS/NZS 1715/1716.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, colourless to pale yellow liquid with no odour.

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.

Other Properties

pH: 7.95 - 8.15 at 19-22°C

10. STABILITY AND REACTIVITY

STABILITY:

Stable under normal conditions of use.

HAZARDOUS DECOMPOSITION PRODUCTS:

Decomposes on heating emitting oxides of carbon and oxides of nitrogen.

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, it is anticipated that the following information is applicable:

Oral LD50(rat): > 2,000 mg/kg

Dermal LD50(rabbit): > 2,000 mg/kg

12. ECOLOGICAL INFORMATION

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

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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.

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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