

Material Safety Data Sheet

Australia
English

1. Identification of the material and supplier

Product name Recombinant Glutathione S-transferase; part of
'GST 96 Well Detection Module, 5 plates'

Catalogue Number 27-4592-01



9 0 2 7 4 5 9 2 0 1

Component Number 274573

Company details

Manufacturer

GE Healthcare UK Ltd
Amersham Place
Little Chalfont
Buckinghamshire HP7 9NA
England
+44 0870 606 1921

Supplier

GE Healthcare Bio-Sciences
Building 4B, Parklands Estate
21 South Street
Rydalmere NSW 2116
Australia
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Emergency telephone number 000 and +61 2 9846 4000

ADG -

Uses

Area of application ☒ Industrial applications.
Material uses Analytical chemistry. Research.
Product type ☒ Liquid.

2. Hazards identification

Classification ☒ Not regulated.

Risk phrases ☒ Not classified.

Statement of hazardous/dangerous nature

☒ NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.

3. Composition/information on ingredients

Mixture ☒ Yes.

Additional information

☒ Other ingredients, determined not to be hazardous according to Safe Work Australia criteria, and not dangerous according to the ADG Code, make up the product concentration to 100%.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First-aid measures

First-aid measures

Eye contact ☒ Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Skin contact ☒ Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Inhalation ☒ Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Ingestion ☒ Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.



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Protection of first-aiders	☑ No action shall be taken involving any personal risk or without suitable training.
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5. Fire-fighting measures

Extinguishing media	
Suitable	☑ Use an extinguishing agent suitable for the surrounding fire.
Not suitable	☑ None known.
Special exposure hazards	☑ Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. ☑ In a fire or if heated, a pressure increase will occur and the container may burst.
Special protective equipment for fire-fighters	☑ Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Hazardous combustion products	☑ No specific data.

6. Accidental release measures

Personal precautions	☑ No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment (see Section 8).
Environmental precautions	☑ Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods for cleaning up	☑ Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.
Small spill	☑ Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

7. Handling and storage

Handling	☑ Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.
Storage	☑ Do not store above the following temperature: -20°C (-4°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

Occupational exposure limits	No exposure standard allocated.
Recommended monitoring procedures	☑ If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.
Engineering measures	☑ No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
Hygiene measures	☑ Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection	
Eyes	☑ Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
Hands	☑ Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Respiratory	☑ Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Skin	☑ Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Environmental exposure controls	☑ Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.



9. Physical and chemical properties

Physical state	Liquid.
Colour	Colourless.
Odour	Odourless.
Flash point	<input checked="" type="checkbox"/> [Product does not sustain combustion.]
Solubility	<input checked="" type="checkbox"/> Easily soluble in the following materials: cold water and hot water.

10. Stability and reactivity

Stability	<input checked="" type="checkbox"/> The product is stable.
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11. Toxicological information

Potential acute health effects

Inhalation	<input checked="" type="checkbox"/> No known significant effects or critical hazards.
Ingestion	<input checked="" type="checkbox"/> No known significant effects or critical hazards.
Skin contact	<input checked="" type="checkbox"/> No known significant effects or critical hazards.
Eye contact	<input checked="" type="checkbox"/> No known significant effects or critical hazards.

Acute toxicity

Conclusion/Summary	Not available.
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Potential chronic health effects

Chronic toxicity

Conclusion/Summary	<input checked="" type="checkbox"/> Not available.
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Carcinogenicity

Conclusion/Summary	Not available.
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Mutagenicity

Conclusion/Summary	<input checked="" type="checkbox"/> Not available.
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Teratogenicity

Conclusion/Summary	<input checked="" type="checkbox"/> Not available.
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Reproductive toxicity

Conclusion/Summary	<input checked="" type="checkbox"/> Not available.
Chronic effects	<input checked="" type="checkbox"/> No known significant effects or critical hazards.
Carcinogenicity	<input checked="" type="checkbox"/> No known significant effects or critical hazards.
Mutagenicity	<input checked="" type="checkbox"/> No known significant effects or critical hazards.
Teratogenicity	<input checked="" type="checkbox"/> No known significant effects or critical hazards.
Developmental effects	<input checked="" type="checkbox"/> No known significant effects or critical hazards.
Fertility effects	<input checked="" type="checkbox"/> No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation	<input checked="" type="checkbox"/> No specific data.
Ingestion	<input checked="" type="checkbox"/> No specific data.
Skin	<input checked="" type="checkbox"/> No specific data.
Eyes	<input checked="" type="checkbox"/> No specific data.

12. Ecological information

Environmental effects	<input checked="" type="checkbox"/> No known significant effects or critical hazards.
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Aquatic ecotoxicity

Conclusion/Summary	<input checked="" type="checkbox"/> Not available.
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Biodegradability

Conclusion/Summary	Not available.
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Other adverse effects	<input checked="" type="checkbox"/> No known significant effects or critical hazards.
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13. Disposal considerations

Methods of disposal

The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

14. Transport information

International transport regulations

Not classified.



15. Regulatory information

Standard for the Uniform Scheduling of Drugs and Poisons

Not regulated.

Control of Scheduled Carcinogenic Substances

Ingredient name

Not available.

Schedule

Australia inventory (AICS)

All components are listed or exempted.

EU Classification

Not classified.

HCS Classification

Not regulated.

16. Other information

History

Date of printing	09 September 2011	Date of previous issue	09 September 2011
Date of issue	09 September 2011	Version	1



Indicates information that has changed from previously issued version.

Enquiries regarding MSDS content should be directed to: our local sales office.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

