

SAFETY DATA SHEET

Conforms to EU Directive 91/155/EEC, as amended by 2001/58/EC - United Kingdom (UK)
English

1. Identification of the substance/preparation and company/undertaking

Product name **Recombinant GST; part of 'GST Western Blotting Detection Kit'**

Catalogue Number **RPN1237**

Component Number **NIF1918**



Company/undertaking identification

Supplier GE Healthcare Bio-Sciences AB
SE-751 84 Uppsala
Sweden
+46 (0)18 612 0000

Emergency telephone number
Swedish Poisons Information Centre :
+46 (0)8 331 231

United Kingdom (UK) GE Healthcare UK Ltd
Amersham Place
Little Chalfont
Buckinghamshire
HP7 9NA

0870 606 1921

2. Composition/information on ingredients

Substance/preparation Preparation

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting in this section, in accordance with EU or national regulations.

3. Hazards identification

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification Not classified.

See section 11 for more detailed information on health effects and symptoms.

4. First-aid measures

First-aid measures

Inhalation ☒ Inhaled, remove to fresh air. Get medical attention if symptoms appear.

Ingestion ☒ Do not ingest. Get medical attention if symptoms appear.

Skin contact ☒ Wash with soap and water. Get medical attention if symptoms appear.

Eye contact ☒ In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if irritation occurs.

Protection of first-aiders ☒ No action shall be taken involving any personal risk or without suitable training.

See section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

Extinguishing media ☒ Use an extinguishing agent suitable for the surrounding fire.

Not suitable ☒ None known.

Special exposure hazards No specific hazard.

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.



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6. Accidental release measures

Personal precautions	Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.
Environmental precautions	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
Methods for cleaning up	If emergency personnel are unavailable, contain spilt material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dyke spilt material or otherwise contain material to ensure runoff does not reach a waterway. Place spilt material in an appropriate container for disposal.

7. Handling and storage

Handling	Wash thoroughly after handling.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.
<u>Packaging materials</u>	
Recommended	Use original container.

8. Exposure controls/personal protection

Exposure limit values	Not available.
<u>Exposure controls</u>	
Occupational exposure controls	No special ventilation requirements. Good general ventilation should be sufficient to control airborne levels. 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.
Respiratory protection	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.
Hand protection	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.
Eye protection	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, gases or dusts.
Skin protection	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. 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.
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

General information

Appearance

Physical state	Liquid.
Colour	Colourless.
Odour	Odourless.

Important health, safety and environmental information

Boiling point	The lowest known value is 100°C (212°F) (water).
Melting point	May start to solidify at 0°C (32°F) based on data for: water.
Explosive properties	Non-explosive in the presence of the following materials or conditions: open flames, sparks and static discharge, heat, shocks and mechanical impacts, oxidizing materials, reducing materials, combustible materials, organic materials, metals, acids, alkalis and moisture.
Vapour pressure	The highest known value is 3.2 kPa (23.8 mm Hg) (at 20°C) (water).
Solubility	Easily soluble in cold water, hot water, methanol, acetone. Insoluble in diethyl ether.
Evaporation rate (butyl acetate = 1)	0.36 (water) compared with Butyl acetate.



10. Stability and reactivity

Stability	The product is stable.
Materials to avoid	<input checked="" type="checkbox"/> Non-reactive or compatible with the following materials: oxidizing materials, reducing materials, combustible materials, organic materials, metals, acids, alkalis and moisture.

11. Toxicological information

Potential acute health effects

Inhalation	No known significant effects or critical hazards.
Ingestion	No known significant effects or critical hazards.
Skin contact	No known significant effects or critical hazards.
Eye contact	No known significant effects or critical hazards.

<u>Ingredient name</u>	<u>Carcinogenic effects</u>	<u>Mutagenic effects</u>	<u>Developmental toxicity</u>	<u>Impairs fertility</u>
Carcinogenicity	No known significant effects or critical hazards.			
Mutagenicity	No known significant effects or critical hazards.			
Reproductive toxicity	No known significant effects or critical hazards.			
<u>Over-exposure signs/symptoms</u>				

Inhalation	No known significant effects or critical hazards.
Ingestion	No known significant effects or critical hazards.
Skin	No known significant effects or critical hazards.

12. Ecological information

Other adverse effects	No known significant effects or critical hazards.
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13. Disposal considerations

Methods of disposal	<input checked="" type="checkbox"/> The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. 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.
Hazardous waste	<input checked="" type="checkbox"/> Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

14. Transport information

International transport regulations

Not classified.

15. Regulatory information

EU regulations

Risk phrases	<input checked="" type="checkbox"/> This product is not classified according to EU legislation.
Product use	<input checked="" type="checkbox"/> Classification and labelling have been performed according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and the intended use. - Consumer applications.

Other EU regulations

EU statistical classification (Tariff Code)	32089091
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16. Other information



Indicates information that has changed from previously issued version.

History

Date of printing	11 September 2006	Date of previous issue	01 November 2005
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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.



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