

1. INFORMATION OF THE SUBSTANCE PREPARATION AND COMPANY

1.1. Product names	SeraClean™
Intended Use	Reduce the high background signal found in some sera caused by nonspecific binding of human serum components in Luminex bead based antibody assays.
Catalog Number	628222 - SeraClean™
1.2. Company	Gen-Probe Transplant Diagnostics, Inc. 550 West Avenue Stamford, CT 06902 USA (203) 328-9500 or 1-888-329-0255 technicalsupport@gen-probe.com
1.3. In emergencies	Call your local emergency center

2. HAZARDS IDENTIFICATION

Harmful if swallowed.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Animal proteins are potentially infectious.

Sodium Azide CAS 26628-22-8, EC: 247-852-1

Pursuant to United States OSHA Regulations 29 CFR Part 1910.1200, the materials of animal origin in this product are not considered hazardous. However, as with all animal derivatives, universal handling precautions are recommended.

3. COMPONENTS AND HAZARDOUS INGREDIENTS

Hazardous Ingredients	Classification Substance	EINECS NR.
0.1 % Sodium Azide (NaN ₃) Contains material from human origin	T+, N, R28-32-50/53 (CAS # 26628-22-8)	247-852-1

4. FIRST AID MEASURES

- Eye contact:* -Rinse immediately with water for 15 minutes
-Do not apply neutralizing agents
-Consult a doctor/medical service if irritation persists
- Skin contact:* -Rinse with water
-Remove clothing before washing
-Consult a doctor/medical service if irritation persists
- After inhalation:* -Remove the victim into fresh air
-Unconscious: maintain adequate airway and respiration
-Consult a doctor/medical service if breathing problems develop
- After ingestion:* -Never give water to an unconscious person
-Give nothing (little) to drink
-Consult a doctor/medical service if you feel unwell

5. FIRE FIGHTING MEASURES

- Suitable extinguishing media:* - All non combustible extinguishing media allowed
- Unsuitable extinguishing media:* - No data available
- Special exposure hazards:* - On heating, burning: formation of small quantities of nitrous vapors, carbon monoxide, carbon dioxide
- Instructions:* - Take account of toxic fire fighting water
- Use fire fighting water moderately and contain it
- Special protective equipment for firefighters:* - Heat/fire exposure: compressed air/oxygen apparatus
- Heat/fire exposure: gas-tight suit

6. ACCIDENTAL RELEASE MEASURES

Personal protection: see 8

Environmental precautions:

- Prevent soil and water pollution
- Discharge according to local regulations

Clean-up:

- Take up liquid spill into absorbent material
- Discharge of absorbed material according to local regulations
- Clean contaminated surfaces with an excess of water
- Wash clothing and equipment after handling

7. HANDLING AND STORAGE*Handling:*

- Observe normal hygiene standards.
- Discharge according to local regulations
- Remove and clean contaminated clothing
- Handle and open the container with care

Storage:

- Keep container tightly closed
- Meet the legal requirements
- Keep away from: heat sources, combustible materials, acids, and metals
- Storage temperature: see component label

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Exposure Limits**

Chemical/Component	TLV/NIOSH REL	OSHA PEL
Sodium azide (as NaN_3)	0.3 mg/m^3 ACGIH TLV-CL	Not listed
Sodium azide (as HN_3)	0.1 ppm	Not listed

Information in above table from NIOSH Pocket Guide to Chemical Hazards, 2003.

8.2 Control of Exposure

- Eye protection:* - Safety glasses or face shield
Hand protection: - Protective gloves
Skin protection: - Protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Opaque to Cloudy Liquid

10. STABILITY AND REACTIVITY

Stability: Stable until expiry date if stored in specified conditions (see label)

Reactivity/Hazardous decomposition products: No hazardous decomposition products are formed in high quantities

Conditions/Materials to avoid: Keep away from metals and acids (Azide containing components)

11. TOXICOLOGICAL INFORMATION**Acute toxicity:**

<i>Sodium azide:</i>	LD50 oral rat	: 27 mg/kg
	LD50 dermal rat	: 20 mg/kg
	LD50 dermal rat	: >10,000 mg/kg

Chronic toxicity:

<i>Sodium azide:</i>	Carcinogenicity (TLV)	: A4
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Routes of exposure

Ingestion, inhalation, eyes and skin

Caution! Most components contain (a) substance(s) that are absorbed through the skin.

Acute effects/symptoms

-Harmful if swallowed.

Chronic effects

See also Chronic Toxicity. Other components do not contain substances with a known chronic effect (e.g. carcinogenicity, mutagenicity, toxicity to reproduction)

12. ECOLOGICAL INFORMATION**Aquatic toxicity**

<i>Sodium azide:</i>	-LC50 (96h):	0.8 mg/l (SALMO GAIRDNERI/ONCORHYNCHUS MYKISS)
	-LC50 (96h):	0.7 mg/l (LEPOMIS MACROCHIRUS)
	-LC50 (96h):	9 mg/l (GAMMARUS SP.)

Other information

-WGK: 1 (Classification based on the components as per Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 17 May 1999)

-Effect on the ozone layer: Not dangerous for the ozone layer (1999/45/EC)

-Greenhouse effect: No data available

-Effect on waster water purification: No data available

13. WASTE DISPOSAL CONSIDERATIONS

Provisions relating to waste: Hazardous waste (91/689/EEC)

Packaging/container:

-Waste material code packaging (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 15 01 10 (packaging containing residues of or contaminated by dangerous substances)

Disposal methods:

- Patient samples and SeraClean beads are potentially infectious. They should be disposed of following established safety procedures and local regulations.
- Sodium azide reacts with lead and copper plumbing forming highly explosive metal azides.

14. TRANSPORT INFORMATION

No restrictions.

15. REGULATORY INFORMATION

Classifications according to directives 67/548/EEC and 1999/45/EC

Contains: Sodium azide



Harmful

- R22 :Harmful if swallowed
R52/53 :Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
S23 :Do not breathe vapour
S45/46 :If swallowed, in case of accident, or if you feel unwell, seek medical advice immediately and show this container or label
S61 :Avoid release to the environment. Refer to special instructions/safety data sheets.

16. OTHER INFORMATION

This product is designed for use by professionals.

R and S phrases used in Section 3:

- R28 Very toxic if swallowed
R32 Contact with acids liberates very toxic gas
R50/53 Very toxic to aquatic organisms, may cause long term effects in the aquatic environment

This product contains animal derivatives and universal handling precautions are recommended. All animal products and derivatives have been collected from healthy animals. Bovine components originate from countries where BSE has not been reported.

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing,



MATERIAL SAFETY DATA SHEET

Based on Directive 91/155/EEC and 93/112/EC et seq.)

Art. Code: See 1.1

Product Name: SeraClean™

storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

It remains the user's own responsibility to make sure that the information is appropriate and complete for his specific use of this product. The user is also responsible for observing any laws and applicable guidelines.

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