

SAFETY DATA SHEET

SDS No.5010-0107

Revised date October 12, 2023

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1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : InertSep PLS-2
NAME OF SUPPLIER : GL Sciences Inc.
ADDRESS : 22-1 Nishishinjuku 6-chome Shinjuku-ku Tokyo 163-1130, Japan
CHARGE SECTION : International Sales Section
TELEPHONE No. : +81-3-5323-6620
FACSIMILE No. : +81-3-5323-6621
PRODUCT No. : 5010-25020, 5010-25025, 5010-25030, 5010-25035, 5010-25036, 5010-27430, 5010-27431, 5010-65720, 5010-65721, 5010-65726, 5010-69100, 5010-69101, 5010-
SDS No. : 5010-0107
Research use only.

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION : Classification not possible
HAZARDS SYMBOL : - - -
SIGNAL WORD : - - -
HAZARD STATEMENTS : - - -
PRECAUTIONARY STATEMENTS : - - -
OTHER INFORMATIONS : May be harmful if inhaled and ingested.
May cause eye and skin irritation.
Dispose of contents/container in accordance with all applicable regulations.
MOST IMPORTANT HAZARDS : Eye irritation, skin irritation, digestive tract irritation, respiratory tract irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE / MIXTURE : Substance
CHEMICAL IDENTITY : Styrene=Divinylbenzene copolymer
SYNONYMS : Poly(styrene-co-divinyl benzene); Polystyrene crosslinked with Divinylbenzene
CHEMICAL FORMULA : $(-CH_2CHC_6H_5)_x (-CH_2CHC_6H_4CHCH_2)_y$
CONTENT : 100%
CAS No. : 9003-70-7
TSCA INVENTORY : Listed
EINECS No. : Not established
EC INDEX No. : Not established

4. FIRST AID MEASURES

GENERAL ADVICE : Wash off immediately with soap and plenty of water. In the case of respirable dust and/or fumes, use self-contained breathing apparatus and dust impervious protective suit. Use personal protective equipment.
INHALATION : Move victim to fresh air and gargle. If breathing is difficult, give oxygen.
If irritation persists, consult a physician.
SKIN CONTACT : Remove contaminated clothes and shoes, rinse skin with plenty of water or shower. Use soap to help assure removal. If irritation persists, consult a physician.
EYE CONTACT : Remove any contact lenses at once. Flush eyes well with flooding large amounts of running water for at least 15 minutes. Assure adequate flushing by separating the eyelids with sterile fingers. If irritation persists, consult a physician.
INGESTION : Rinse mouth, give plenty of water to vomit. Never give anything by mouth to an unconscious person. Consult a physician.
MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED : May cause irritation of mucous membranes, respiratory tract, skin and eyes.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA : Carbon dioxide, dry chemical powder, foam, water spray
FIRE & EXPLOSION HAZARDS : Toxic and irritating dust, fumes or smoke may be emitted.
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS : Fireman should wear normal protective equipment (full bunker gear) and positive-pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

- PERSONAL PRECAUTIONS** : Remove ignition sources and ventilate the area. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid raising dust and avoid contact with skin and eyes.
- ENVIRONMENTAL PRECAUTIONS** : Prevent spills from entering sewers, watercourses or low areas.
Comply with local disposal regulations.
- METHODS FOR CLEANING UP** : Do not touch spilled material without suitable protection. After material is completely picked up, wash the spill site with soap and water and ventilate the area. Pull all wastes in a plastic bag for disposal and seal it tightly. Remove, clean, or dispose contaminated clothing.

7. HANDLING AND STORAGE

- HANDLING** : Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Handle this product with appropriate protective equipments.
- STORAGE** : Store away from sunlight in a cool well-ventilated dry place.
Keep container tightly closed.
- INCOMPATIBLE PRODUCTS** : Oxidizers and acids

8. EXPOSURE CONTROL/PERSONAL PROTECTION

- ENGINEERING MEASURES** : Use exhaust ventilation to keep airborne concentrations below exposure limits.
Use adequate ventilation.
- VENTILATION** : Local Exhaust ; Necessary, Mechanical(General) ; Recommended
- CONTROL PARAMETERS**
- ACGIH** : 3 mg/m³ as respirable; 10 mg/m³ as inhalable; PNOS
- OSHA PEL** : TWA 15 mg/m³ (total), TWA 5 mg/m³ (resp.) as Particulates not otherwise regulated(PNOS)
- PERSONAL PROTECTION**
- RESPIRATORY PROTECTION** : Half or full face piece respirator, self-contained breathing apparatus, supplied air respirator, etc. Use respirators approved under appropriate government standards and follow all regulations.
- HAND PROTECTION** : Safety gloves
- EYE PROTECTION** : Safety glasses(goggles)
- SKIN PROTECTION** : Protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

- PHYSICAL STATE** : Solid
- COLOUR** : White
- ODOUR** : Odorless
- MELTING POINT / FREEZING POINT** : No data available
- BOILING POINT OR INITIAL BOILING POINT AND BOILING RANGE** : No data available
- FLAMMABILITY** : Non Flammable
- LOWER AND UPPER EXPLOSION LIMIT / FLAMMABILITY LIMIT** : Not applicable
- FLASH POINT** : No data available
- AUTO-IGNITION TEMPERATURE** : No data available
- DECOMPOSITION TEMPERATURE** : No data available
- pH** : No data available
- KINEMATIC VISCOSITY** : Not applicable
- SOLUBILITY** : No data available
- PARTITION COEFFICIENT**
- n-octanol/water (log value)** : No data available
- VAPOUR PRESSURE** : No data available
- DENSITY AND/OR RELATIVE DENSITY** : No data available
- RELATIVE VAPOUR DENSITY** : Not applicable
- PARTICLE CHARACTERISTICS** : Not applicable

10. STABILITY AND REACTIVITY

REACTIVITY : Stable under recommended using and storage conditions.

CHEMICAL STABILITY : Stable under recommended storage and using conditions.

POSSIBILITY OF HAZARDOUS REACTIONS

: Reacts with strong oxidizers.

CONDITION TO AVOID : Sunlight, heat, moisture, CO₂, oxidizers, acids

INCOMPATIBLE MATERIALS : Oxidizers, acids

HAZARDOUS DECOMPOSITION PRODUCTS

: CO, CO₂

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY -oral- : No data available

ACUTE TOXICITY -dermal- : No data available

ACUTE TOXICITY -inhalation- : No data available

SKIN CORROSION/IRRITATION : No data available

EYE DAMAGE/EYE IRRITATION : No data available

RESPIRATORY OR SKIN SENSITIZATION

: No data available

GERM CELL MUTAGENICITY : No data available

CARCINOGENICITY : No data available

REPRODUCTIVE TOXICITY : No data available

SPECIFIC TARGET ORGAN TOXICITY

: No data available

ASPIRATION TOXICITY : No data available

SPECIFIC TARGET ORGAN TOXICITY - single exposure -

: No data available

SPECIFIC TARGET ORGAN TOXICITY - repeated exposure -

: No data available

ASPIRATION HAZARD : No data available

12. ECOLOGICAL INFORMATION

Hazardous to the aquatic environment - Acute hazard -

: No data available

Hazardous to the aquatic environment - Chronic hazard -

: No data available

ECOTOXICITY : No data available

BIODEGRADABILITY : May not occur microbial degradation.

BIOACCUMULATION POTENTIAL : No data available

MOBILITY IN SOIL : No data available

OTHER ADVERSE EFFECTS : Not listed in Montreal Protocol list.

13. DISPOSAL INFORMATION

Dispose in a hazardous-waste site in accordance with all applicable regulations. Any disposal practice must be in compliance with country, local, state, and federal laws and regulations (contact country, local or state environment agency for specific rules).

14. TRANSPORT INFORMATION

International Regulations

Maritime regulations : Conform to the provisions of IMO.

UN No. : Not applicable

Proper Shipping Name : -

Class : -

Packing Group : -

Marine Pollutant : Not applicable

Aviation regulations : Conform to the provisions of ICAO/IATA.

UN No. : Not applicable

Proper Shipping Name : -

Class : -

Packing Group : -

15. REGULATORY INFORMATION

For classification and labeling of chemicals in accordance with the applicable rules and regulations in the EU or each country, refer to GHS classification of this product (See Section 2).

US REGULATION : OSHA HCS 2012/29 CFR 1910.1200

EU REGULATION : CLP Regulation ((EC) No. 1272/2008)

16. OTHER INFORMATION

NOTICE:

The information contained in the SDS description is applicable exclusively to the chemical substance identified herein and for its intended use as an analytical reference standard or reagent and to the unit quantity intended for that purpose. The information does not relate to, and may not be appropriate for, any application or larger quantity of the substance described. Our products are intended for the use by individuals possessing sufficient technical skill and qualification on use the material potential hazardous chemical. Accordingly, no representation or warranty, express or implied, with respect to merchantability and fitness for a particular purpose is made with respect to the information contained herein.

Attention:

This product in terms of chemical identity and the unit amount provide is intended for use in chemical analysis and not for human consumption, nor any other purpose.