

# SAFETY DATA SHEET

SDS No.7510-11302

Date

November 6, 2019

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## 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : MonoSpin Trypsin HP  
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. : 7510-11302, 5010-  
SDS No. : 7510-11302  
Research use only.

## 2. HAZARDS IDENTIFICATION

This product is used for sample preparation in chemical analysis for research and development. Although this product is not dangerous goods, we show some data about chemical substances contained in this product for the information supplement below.

GHS CLASSIFICATION : Classification not possible  
HAZARDS SYMBOL : - - -  
SIGNAL WORD : - - -  
HAZARD STATEMENTS : - - -  
PRECAUTIONARY STATEMENTS : - - -  
OTHER INFORMATION : 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 : Combination of the chemical substances

CHEMICAL NAME	CONTENT	CHEMICAL FORMULA	CAS RN	TSCA INVENTORY	EINECS No.
Trypsin bonded silica monolith	3 %	SiO <sub>2</sub> (mainly)	Not established	Not Listed	Not Listed
Preservative solution	97 %	Phosphate buffer (mainly)	Not established	Not Listed	Not Listed

## 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 in a refrigerator (4 °C). Keep container tightly closed.  
 INCOMPATIBLE PRODUCTS : Oxidizers, acids and bases

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 TLV : Not established  
 OSHA PEL : Not established  
 NIOSH REL : Not established  
 PERSONAL PROTECTION :  
 RESPIRATORY PROTECTION : Safety mask, 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 : Trypsin bonded silica monolith; Solid, Preservative solution; Liquid  
 COLOUR : Trypsin bonded silica monolith; White, Preservative solution; Clear  
 ODOUR : Odourless  
 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 : No data available  
 FLASH POINT : No data available  
 AUTO-IGNITION TEMPERATURE : No data available  
 DECOMPOSITION TEMPERATURE : No data available  
 pH : No data available  
 KINEMATIC VISCOSITY : No data available  
 SOLUBILITY : No data available  
 PARTITION COEFFICIENT : No data available  
 n-octanol/water (log value) : No data available

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VAPOUR PRESSURE : No data available  
DENSITY AND/OR RELATIVE DENSITY : No data available  
RELATIVE VAPOUR DENSITY : No data available  
PARTICLE CHARACTERISTICS : Not applicable

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**10. STABILITY AND REACTIVITY**

REACTIVITY : No data available  
CHEMICAL STABILITY : Stable under recommended storage and using conditions.  
CONDITION TO AVOID : Sunlight, heat, moisture, CO<sub>2</sub>  
INCOMPATIBLE MATERIALS : Oxidizers, strong acids and strong bases  
HAZARDOUS DECOMPOSITION PRODUCTS : CO, CO<sub>2</sub>

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**11. TOXICOLOGICAL INFORMATION**

ACUTE TOXICITY : No data available  
SKIN CORROSION/IRRITATION : No data available  
EYE DAMAGE/EYE IRRITATION : No data available  
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 HAZARD : No data available

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**12. ECOLOGICAL INFORMATION**

ECOTOXICITY : No data available  
BIODEGRADABILITY : No data available  
BIOACCUMULATION POTENTIAL : No data available  
MOBILITY IN SOIL : No data available  
OTHER ADVERSE EFFECTS : Not listed in Montreal Protocol list.

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**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).

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**14. TRANSPORT INFORMATION**

IATA : Not dangerous goods  
ADR/RID : Not dangerous goods  
DOT(Department of Transportation) : Not dangerous goods  
MARINE POLLUTANT : Not classified

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**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)

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**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.