

# SAFETY DATA SHEET

SDS No.3001-17915

Date

July 5, 2021

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## 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : Large hydrocarbon trap  
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. : 3001-17915  
SDS No. : 3001-17915  
Research use only.

## 2. HAZARDS IDENTIFICATION

Large hydrocarbon traps are molded products and normally do not leak their contents.

From the viewpoint of information provision, the hazard information of the contents is described below.

GHS CLASSIFICATION : Classification not possible  
Adverse effects were observed in animal experiments (female rats), but the association to humans in the mechanism and mode of action is not sufficient. In accordance with GHS rules, this substance cannot be classified.

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 : Substance  
CHEMICAL NAME : Active carbon  
SYNONYMS : - - -  
CHEMICAL FORMULA : C  
MOLECULAR WEIGHT : 12.011  
CONTENT : 100%  
CAS No. : 7440-44-0  
TSCA INVENTORY : Listed  
EINECS No. : 231-153-3  
EC INDEX No. : Not established

## 4. FIRST AID MEASURES

GENERAL ADVICE : If fragments/respirable dust contacts with eyes or skin, 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. If irritation persists, consult a physician.

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 AND EFFECTS : Shreds and dusts 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  
Use extinguishing agent suitable for type of surrounding fire.
- FIRE & EXPLOSION HAZARDS : CO<sub>2</sub>, CO are included in a flue gas. Use cylinder-type air respiratory apparatus at the fire extinguishing in the room.
- 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 : Waist the fragments/respirable dusts in accordance with all applicable regulations.
- METHODS FOR CLEANING UP : Do not touch fragments/respirable dusts 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 : This product has strongly moisture absorbency. Handle this quickly after opening to avoid heating.  
Pay attention when opening this material due to its inner pressure decreasing/increasing by changing temperature.  
Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Handle material with suitable protection.  
After using this product, dispose of contents/container in accordance with all applicable regulations and appropriate ways.
- STORAGE : Store away from moisture and water in well-ventilated dry place.  
Keep container tightly closed.
- INCOMPATIBLE PRODUCTS : Water, moisture

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 : Inhalable dust TWA 10mg/m<sup>3</sup>, Respirable dust TWA 3mg/m<sup>3</sup> (as PNOS)
  - OSHA PEL : 8H-TWA 15mg/m<sup>3</sup> (total), 8H-TWA 5mg/m<sup>3</sup> (resp.) as Particulates not otherwise regulated(PNOR)
  - NIOSH REL : Not established
- 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

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	: Black powder
PHYSICAL STATE	: Solid
ODOR	: 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	: 250 °C
DECOMPOSITION TEMPERATURE	: No data available
pH	: No data available
KINEMATIC VISCOSITY	: Not applicable
SOLUBILITY IN	
Water	: Insoluble
Organic solvent	: Insoluble
PARTITION COEFFICIENT	
n-octanol/water (log value)	: No data available
VAPOUR PRESSURE	: No data available
DENSITY AND/OR RELATIVE DENSITY	: 0.40 - 0.50 g/mL
RELATIVE VAPOUR DENSITY	: Not applicable
PARTICLE CHARACTERISTICS	: 120/400mesh

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**10. STABILITY AND REACTIVITY**

REACTIVITY	: Stable under recommended using and storage conditions.
CHEMICAL STABILITY	: Stable under recommended storage and using conditions.
CONDITION TO AVOID	: Sunlight, heat, moisture, CO <sub>2</sub> , oxidizers, acids
INCOMPATIBLE MATERIALS	: Oxidizers, acids
HAZARDOUS DECOMPOSITION PRODUCTS	: CO, CO <sub>2</sub>

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**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
SERIOUS EYE DAMAGE/EYE IRRITATION	: No data available
RESPIRATORY/SKIN SENSITIZATION	: No data available
GERM CELL MUTAGENICITY	: No data available
CARCINOGENICITY	: No data available
REPRODUCTIVE 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

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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.

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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**

## International Regulations

Maritime regulations : Conform to the provisions of IMO.  
UN No. : Not regulated  
Proper Shipping Name : -  
Class : -  
Packing Group : -  
Marine Pollutant : Not applicable  
Aviation regulations : Conform to the provisions of ICAO/IATA.  
UN No. : Not regulated  
Proper Shipping Name : -  
Class : -  
Packing Group : -

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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.