

# SAFETY DATA SHEET

SDS No.5020-0058

Revised date

March 6, 2023

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## 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : InertCore Plus C18  
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. : 5020-17506~17508、5020-17510~17513、5020-17515~17518、5020-17520  
~17523、5020-  
SDS No. : 5020-0058  
Research use only.

## 2. HAZARDS IDENTIFICATION

InertCore Plus C18 is a column of molded products. Contents will not leak from column under usual using conditions. We show the information about contents below.

GHS CLASSIFICATION : Classification not possible  
HAZARDS SYMBOL : ---  
SIGNAL WORD : ---  
HAZARD STATEMENTS : ---  
PRECAUTIONARY STATEMENTS : ---  
OTHER INFORMATION : May possible skin irritation by long-term or prolonged contact with this product.  
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  
COMMON CHEMICAL NAME : InertCore Plus C18  
SYNONYMS : Core-shell type silica gel  
CHEMICAL FORMULA : SiO<sub>2</sub>  
CONTENT : 100%  
CAS RN : --  
TSCA INVENTORY : Not Listed  
EINECS No. : Not Listed  
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 : CO<sub>2</sub>, CO are included in a flue gas. Use cylinder-type air respiratory apparatus at the fire extinguishing in the room.  
Pay attention to shatter-resistant this product.

**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. Pick all wastes up in a plastic bag for disposal and seal it tightly. Remove, clean, or dispose contaminated clothing.

**7. HANDLING AND STORAGE**

**HANDLING** : Keep away from ignition sources and ventilate the area – No smoking. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with eyes, skin, and clothing. Avoid inhalation of vapour or mist. Avoid prolonged or repeated exposure. Handle this product with suitable protection.

**STORAGE** : Store away from sunlight, heat and all ignition sources in well-ventilated dry place. Keep container tightly closed. Store in the refrigerator.

**INCOMOPATIBLE PRODUCTS** : Strong oxidizers and strong 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 TLV** : Inhalable particles ; TWA 10mg/m<sup>3</sup>, Respirable particles ; TWA 3mg/m<sup>3</sup> (as PNOS)

**OSHA PEL** : TWA 20mppcf (80mg/m<sup>3</sup>/%SiO<sub>2</sub>) (as amorphous silica)

**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** : Solid (powder)

**COLOUR** : White

**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**

: 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 : <5µm

10. STABILITY AND REACTIVITY

REACTIVITY : Stable under recommended using and storage conditions.

CHEMICAL STABILITY : Stable under recommended using and storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS

: Reacts with strong oxidizers.

CONDITION TO AVOID : Sunlight, heat, open flames, high temperature, sparks, static electrical charge, other ignition sources, moisture

INCOMPATIBLE MATERIALS : Oxidizers and strong acids

HAZARDOUS DECOMPOSITION PRODUCTS

: CO, CO<sub>2</sub>

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 –

: Crustacea(Daphnia magna); 24-hour EC50>1000 mg/L (SIDS(2006))

Zebrafish(Danio rerio); 96-hour LC50=1000 mg/L (SIDS(2006))

Hazardous to the aquatic environment - Chronic hazard –

: No data available

BIODEGRADABILITY : May not occur microbial degradation

BIOACCUMULATIVE POTENTIAL : No data available

MOBILITY IN SOIL : No data available

HAZARDOUS TO THE OZONE LAYER

: 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 : -

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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.