

SAFETY DATA SHEET

SDS No.5010-0101

Date

December 12, 2018 1/4 page

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : InertSep C2
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. : 5010-61120~5010-61132, 5010-63121~5010-63123, 5010-65120, 5010-65121, 5010-66070, 5010-66071, 5010-69005, 5010-
SDS No. : 5010-0101
Research use only.

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION : Serious eye damage/eye irritation : Category 2B
Specific target organ toxicity (single exposure) : Category 3
(Respiratory tract irritancy)

HAZARDS SYMBOL :



SIGNAL WORD : Warning

HAZARD STATEMENTS :

H320 Cause eye irritation
H335 May cause respiratory irritation

PRECAUTIONARY STATEMENTS :

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash hands thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical attention.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER or doctor if you feel unwell.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container in accordance with all applicable regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL IDENTITY : Ethyl group modified silica gel
SYNONYMS : - - -
CHEMICAL FORMULA : (SiO₂)-C₂H₅
CONTENT : 100%
CAS RN : 112926-00-8
TSCA INVENTORY : Not Listed
EINECS No. : 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.

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 : Inhalable dust TWA=10mg/m³, Respirable dust TWA=3mg/m³ (as PNOS)
- OSHA PEL : 80 mg/m³/%SiO₂ (as amorphous silica)
- NIOSH REL : TWA=6mg/m³ (as amorphous silica)
- 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

APPEARANCE	: White powder
PHYSICAL STATE	: Solid
ODOR	: Odorless
pH	: No data available
BOILING POINT	: No data available
MELTING POINT	: No data available
FLASH POINT	: No data available
FLAMMABILITY	: No data available
AUTOIGNITION TEMPERATURE	: No data available
VAPOR PRESSURE	: No data available
SPECIFIC GRAVITY (DENSITY)	: No data available
SOLUBILITY IN	
Water	: Insoluble
Organic solvent	: Insoluble
PARTITION COEFFICIENT ;	
n-octanol/water	: No data available
DECOMPOSITION TEMPERATURE	
	: No data available

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 ₂ , oxidizers, acids
INCOMPATIBLE MATERIALS	: Oxidizers, acids
HAZARDOUS DECOMPOSITION PRODUCTS	
	: CO, CO ₂

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY	: Not classified (oral, dermal) Classification not possible, No data available (inhalation(dust, mist))
SKIN CORROSION/IRRITATION	: Not classified
EYE DAMAGE/EYE IRRITATION	: Category 2B Mild irritating to rabbit eyes (SIDS (2006), ECETOC JACC (2006))
SENSITIZATION	: Classification not possible, No data available
GERM CELL MUTAGENICITY	: Classification not possible
CARCINOGENICITY	: Classification not possible Inadequate evidence of carcinogenicity in humans (IARC 68 (1997))
REPRODUCTIVE TOXICITY	: Classification not possible, No data available
SPECIFIC TARGET ORGAN TOXICITY - single exposure -	: Irritating to respiratory tract (SIDS (2006), ECETOC JACC (2006))
SPECIFIC TARGET ORGAN TOXICITY - repeated exposure -	: Classification not possible
ASPIRATION HAZARD	: Classification not possible, No data available

12. ECOLOGICAL INFORMATION

Hazardous to the aquatic environment - Acute hazard –	
	: Not classified
Hazardous to the aquatic environment - Chronic hazard –	
	: Classification not possible
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

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

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.