

SAFETY DATA SHEET

SDS No.5010-23501

Revised date February 14, 2019 1/4 page

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : InertSep mini AERO DNP-HR 300mg, 20pcs
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. : 5010-23501, 5010-
SDS No. : 5010-23501
Research use only.

2. HAZARDS IDENTIFICATION

This product is the article using for such as sample preparation in chemical analysis, researches and developments. Although this product is not dangerous goods, we show some data about this packing material for the information supplement below.

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 : InertSep mini AERO DNP-HR
SYNONYMS : - - -
CHEMICAL FORMULA : Mixture

CHEMICAL IDENTITY	CONTENT	CHEMICAL FORMULA	CAS RN	TSCA INVENTORY	EINECS No.
Silica gel (Amorphous)	99.6 %	SiO ₂	112926-00-8	Not Listed	Not established
2,4-Dinitrophenylhydrazine	0.4 %	C ₆ H ₂ (NO ₂) ₂ NHNH ₂	119-26-6	Listed	204-309-3

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. Store in less than 5 degree C refrigerator or freezer. See the manual in the packing. Keep a plug and bag tightly closed.
- INCOMPATIBLE PRODUCTS : Strong 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

CHEMICAL NAME	ACGIH	OSHA PEL	NIOSH REL
Silica gel (Amorphous)	Inhalable dust : TWA=10mg/m ³ Respirable dust : TWA=3mg/m ³ (as PNOS)	80 mg/m ³ /%SiO ₂ (as amorphous silica)	TWA=6mg/m ³ (as amorphous silica)
2,4-Dinitrophenylhydrazine	Not established	Not established	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

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : Yellow 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) : 2.0 – 2.3
 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 : No data available
 CHEMICAL STABILITY : Stable under recommended storage and using conditions.
 CONDITION TO AVOID : Sunlight, heat, moisture, oxidizers, acids
 INCOMPATIBLE MATERIALS : Oxidizers and strong acids
 HAZARDOUS DECOMPOSITION PRODUCTS : CO, CO₂, NO_x

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY-oral- : 2,4-Dinitrophenylhydrazine is classified into Category 4. But this mixture, as a result of ATEmix calculation, 125,000 mg/kg, is classified into Not classified.
 (2,4-Dinitrophenylhydrazine) : rat; LD50>500mg/kg
 SKIN CORROSION/IRRITATION : Classification not possible due to lack of data
 EYE DAMAGE/EYE IRRITATION : 2,4-Dinitrophenylhydrazine and silica gel are classified into Category 2B. Therefore, the mixture is also classified into Category 2B.
 (Silica gel) : Mild irritating to rabbit eyes (SIDS (2006), ECETOC JACC (2006))
 (2,4-Dinitrophenylhydrazine) : rabbit; 500mg/24H MLD
 SENSITIZATION : Classification not possible due to lack of data
 GERM CELL MUTAGENICITY : Classification not possible due to lack of data
 CARCINOGENICITY : Classification not possible due to lack of data
 REPRODUCTIVE TOXICITY : Classification not possible due to lack of data
 SPECIFIC TARGET ORGAN TOXICITY -single exposure- : This mixture is classified into Category 3.(Respiratory tract irritancy)
 (Silica gel) : Irritating to respiratory tract (SIDS (2006), ECETOC JACC (2006))
 SPECIFIC TARGET ORGAN TOXICITY -repeated exposure- : Classification not possible due to lack of data
 ASPIRATION TOXICITY : Classification not possible due to lack of data

12. ECOLOGICAL INFORMATION

Hazardous to the aquatic environment - Acute hazard – : Classification not possible due to lack of data
 Hazardous to the aquatic environment - Chronic hazard – : Classification not possible due to lack of data
 BIODEGRADABILITY : No data available
 BIOACCUMULATIVE POTENTIAL : No data available
 MOBILITY IN SOIL : No data available
 OTHER ADVERSE EFFECTS : Not listed in Montreal Protocol.

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.