

SAFETY DATA SHEET

SDS No.1001-54200

Date

August 30, 2017

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1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : Unicarbon B-2000
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. : 1001-54200, 1001-, 1003-
SDS No. : 1001-54200
Research use only.

2. HAZARDS IDENTIFICATION

Unicarbon B-2000 is a set product consisted of two packing materials, a column for GC analysis and a pre-column. And this product is using for such as chromatography analysis, researched and developments.

《Packing material for Analysis column》

GHS CLASSIFICATION : Classification not possible
HAZARDS SYMBOL : - - -
SIGNAL WORD : - - -
HAZARD STATEMENTS : - - -
PRECAUTIONARY STATEMENTS : - - -
OTHER INFORMATIONS : May be harmful if inhaled and ingested.
May cause eye and skin irritation.
Dispose of contents/container in accordance with all applicable regulations.

《Packing material for Pre-column》

GHS CLASSIFICATION : Skin corrosion/irritation : Category 2
Eye damage/irritation : Category 2
Specific target organ toxicity (Single exposure)
: Category 2 (respiratory organs)

HAZARDS SYMBOL :



SIGNAL WORD : Warning

HAZARD STATEMENTS :

H315 Cause skin irritation
H319 Cause serious eye irritation
H371 May cause damage to organs

PRECAUTIONARY STATEMENTS :

P260 Do not breathing dust/fume/gas/mist/vapours/spray.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P332+P313 If skin irritation occurs: Get medical attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
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.
P308+P311 IF exposed or concerned: Call a POISON CENTER or doctor.
P405 Store locked up.
P501 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

CHEMICAL IDENTITY : Mixture

《Packing material for Analysis column》

CHEMICAL NAME	CONTENT	CHEMICAL FORMULA	CAS No.	TSCA INVENTORY	EINECS No.	EC INDEX No.
PEG-20M (Polyethylene Glycol)	4 %	H(OCH ₂ CH ₂) _n OH	25322-68-3	Listed	Not established	Not established
Potassium Hydroxide	0.8 %	KOH	1310-58-3	Listed	215-181-3	019-002-00-8
Graphite carbon (synthetic)	95.2 %	C	7782-42-5	Listed	231-955-3	Not established

《Packing material for Pre-column》

CHEMICAL NAME	CONTENT	CHEMICAL FORMULA	CAS No.	TSCA INVENTORY	EINECS No.	EC INDEX No.
PEG-20M (Polyethylene Glycol)	5 %	H(OCH ₂ CH ₂) _n OH	25322-68-3	Listed	Not established	Not established
Potassium Hydroxide	1 %	KOH	1310-58-3	Listed	215-181-3	019-002-00-8
Diatomaceous earth	94 %	SiO ₂	91053-39-3	Listed	293-303-4	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. Do not rub eyes. 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	OSHA	NIOSH
Polyethylene Glycol	Not established		
Potassium Hydroxide	2 mg/m ³		
Graphite carbon	2 mg/m ³ (resp)	15 mg/m ³ (total) 5 mg/m ³ (resp)	Not established
Diatomaceous earth	Not established	80 mg/m ³ /%SiO ₂ +2 (as amorphous silica)	6 mg/m ³ (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 to pale yellowish-white, powder (Diatomaceous earth)
Black, powder (Graphite carbon)

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, CO₂, oxidizers, acids

INCOMPATIBLE MATERIALS : Oxidizers, acids

HAZARDOUS DECOMPOSITION PRODUCTS

: CO, CO₂

11. TOXICOLOGICAL INFORMATION

We show the information regarding a packing material for Pre-column below.

ACUTE TOXICITY-oral-	: This mixture is not classified.
SKIN CORROSION/IRRITATION	: KOH; corrosive to rabbit and human. (SIDS,2001)
EYE DAMAGE/EYE IRRITATION	: KOH; corrosive to rabbit, serious damage to human (SDIS,2001)
SENSITISATION	: No data available
GERM CELL MUTAGENICITY	: No data available
TOXIC TO REPRODUCTION	: No data available
CARCINOGENICITY	: No data available
REPRODUCTIVE TOXICITY	: No data available
SPECIFIC TARGET ORGAN TOXICITY (Single exposure)	: Serious damage to respiratory organs by inhaled respirable dust and/or mist (SDIS(2001),ACGIH(2001),PATTY(5th,2001)).
ASPIRATION TOXICITY	: No data available

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.

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

US REGULATIONS	: Labeling according to US regulation; See section 2
EU REGULATIONS	: Labeling according to EC Directives; See section 2

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.