

SAFETY DATA SHEET

SDS No. 7820-11201

Revised Date February 25, 2014 1/3 page

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : GL-Tip GC 96/pk
NAME OF MANUFACTURER : 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. : 7820-11201
SDS No. : 7820-11201
Research use only.

2. HAZARDS IDENTIFICATION

This product, when used under reasonable conditions and in accordance with GL Sciences Inc. directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

GHS CLASSIFICATION : Classification not possible
HAZARDS SYMBOL : - - -
SIGNAL WORD : - - -
HAZARD STATEMENTS : - - -
PRECAUTIONARY STATEMENTS : - - -
OTHER INFORMATIONS : Dispose of contents/container in accordance with all applicable regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL IDENTITY : GL-Tip GC
CHEMICAL FORMULA : Mixture (Polypropylene;Tip + Graphite carbon)

| CHEMICAL NAME | Polypropylene | Graphite carbon |
|------------------|---|-----------------|
| CONTENT | > 99% | < 1% |
| CHEMICAL FORMULA | (C ₃ H ₆) _x | C |
| CAS No. | 9003-07-0 | 7782-42-5 |
| TSCA INVENTORY | Listed | Listed |
| EINECS No. | Not listed | 231-955-3 |
| EC INDEX No. | Not listed | Not listed |

4. FIRST AID MEASURES

INHALATION : Move victim to fresh air. Consult a physician.
SKIN CONTACT : If irritation persists, consult a physician.
EYE CONTACT : Flush eyes well with flooding large amounts of running water for at least 15 minutes. If irritation persists, consult a physician.
INGESTION : Rinse mouth, and make victim to be vomited. Consult a physician.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA : Carbon dioxide, dry chemical powder, foam
FIRE & EXPLOSION HAZARDS : Toxic and irritating dust, fume, 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 : 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.
METHODS FOR CLEAN UP : Pull all wastes in a plastic bag for disposal and seal it tightly.

7. HANDLING AND STORAGE

- HANDLING** : Combustible. Remove ignition sources and ventilate the area.
 Avoid contact with eyes, skin, and clothing. Handle material with suitable protection.
- STORAGE** : Store away from sunlight in well-ventilated dry place at room temperature.
 Keep container tightly closed.
- INCOMOPATIBLE PRODUCTS** : Strong oxidizers

8. EXPOSURE CONTROL/PERSONAL PROTECTION

- ENGINEERING MEASURES** : Use exhaust ventilation to keep airborne concentrations below exposure limits.
- VENTILATION** : Local Exhaust ; Necessary, Mechanical(General) ; Recommended
- PERSONAL PROTECTION**
- Respiratory protection : Use respirators approved under appropriate government standards and follow all regulations.
- HAND PROTECTION** : Chemical resistant gloves
- EYE PROTECTION** : Safety glasses(goggles)
- SKIN PROTECTION** : Protective clothing
- CONTROL PARAMETERS**
- OSHA PEL : TWA 15 mg/m³ (total), 5 mg/m³ (resp) as PNOR
- ACGIH : 2 mg/m³ <<graphite carbon>>
- CMRG : TWA 10 mg/m³ (total), 5 mg/m³ (resp) <<Polypropylene>>

9. PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE** : Black <<graphite carbon>>
- SHAPE** : Solid
- ODOR** : Odorless
- pH** : Not available
- MELTING POINT** : > 3500°C<<graphite carbon>>
- BOILING POINT** : > 4000°C<<graphite carbon>>
- FLASH POINT** : Not available
- FLAMMABILITY** : Not available
- VAPOR PRESSURE** : Not available
- VAPOR DENCITY** : Not available
- DENSITY** : Not available
- SOLUBILITY IN**
- Water : Insoluble
- Organic solvent : Insoluble
- PARTITION COEFFICIENT ; n-octanol/water** : Not available
- AUTOIGNITION TEMPERATURE** : Not available
- DECOMPOSITION TEMPERATURE** : Not available

10. STABILITY AND REACTIVITY

- REACTIVITY** : Stable under recommended storage conditions.
- CHEMICAL STABILITY** : Not available
- CONDITION TO AVOID** : Sunlight, heat, moisture, ignition sources
- INCOMPATIBLE MATERIALS** : Strong oxidizers
- HAZARDOUS DECOMPOSITION PRODUCTS** : CO, CO₂, other low molecule organic compounds, fluorine compounds

11. TOXICOLOGICAL INFORMATION

- ACUTE TOXICITY** : Not available
- SKIN CORROSION/IRRITATION** : Not available
- EYE DAMAGE/EYE IRRITATION** : Not available
- GERM CELL MUTAGENICITY** : Not available
- CARCINOGENICITY** : IARC class 3 <<polypropylene>>
- REPRODUCTIVE TOXICITY** : Not available
- SPECIFIC TARGET ORGAN TOXICITY** : Not available

ASPIRATION TOXICITY : Not available
ADDITIONAL INFORMATION

NTP : Not listed
IARC : Not listed
OSHA : Not listed
ACGIH : Not listed

12. ECOLOGICAL INFORMATION

ECOTOXICITY : Not available
BIODEGRADABILITY : Not available
BIOACCUMULATION POTENTIAL : Not available
MOBILITY IN SOIL : Not 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

EPA : EPCRA TPQ = Not listed
CERCLA RQ = Not listed

OSHA : Not listed

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.