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)

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>Polypropylene</th>
<th>Graphite carbon</th>
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</thead>
<tbody>
<tr>
<td>CONTENT</td>
<td>&gt; 99%</td>
<td>&lt; 1%</td>
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<tr>
<td>CHEMICAL FORMULA</td>
<td>(C₃H₆)x C</td>
<td></td>
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<tr>
<td>CAS No.</td>
<td>9003-07-0</td>
<td>7782-42-5</td>
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<tr>
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<tr>
<td>EC INDEX No.</td>
<td>Not listed</td>
<td>Not listed</td>
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</tbody>
</table>

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.
ENVIROMENTAL PRECATIONS: 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.

INCOMPATIBLE 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 DENSITY: 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
PRODUCT NAME : GL-Tip GC 96/pk

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 REGURATIONS : 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.