1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: GASKUROPACK 55

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.: 1002-45506, 1002-45508, 1002-, 1003-

SDS No.: 1002-0014

Research use only.

2. HAZARDS IDENTIFICATION

This product is the packing material using for such as chromatography analysis, researches and developments. Although the column packed with is not dangerous goods, we show some data about this packing material for the information supplement below.

GHS CLASSIFICATION: Classification not possible

HAZARDS SYMBOL: - - -

SIGNAL WORD: - - -

HAZARD STATEMENTS: - - -

PRECAUTIONARY STATEMENTS: - - -

HAZARD INFORMATIONS: May cause respiratory tract irritation if inhaled.

May cause eye, skin and mucous irritations if contact with.

May be harmful if ingested.

May induce damage to the lung through prolonged or repeated exposure.

MOST IMPORTANT HAZARDS: Irritation of eyes, skin, respiratory system.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL IDENTITY: Polymer Beads

SYNONYMS: Styrene=Divinylbenzene copolymer(equivalent)

CONTENT: 100%

CHEMICAL FOMULA: (-CH2CHC6H5-)n

CAS No.: Not established

TSCA INVENTRY: Listed

EINECS No.: Not established

EC INDEX No.: 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. 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: Powder, water spray, carbon dioxide, foam

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: Avoid raising dust and avoid contact with skin and eyes. In case of insufficient ventilation, wear suitable respiratory equipment.

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 well-ventilated dry place at room temperature. Keep container tightly closed.

INCOMPATIBLE PRODUCTS: Strong oxidizers and strong 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

PERSONAL PROTECTION

RESPIRATORY PROTECTION: Safety mask

HAND PROTECTION: Chemical resistant gloves

EYE PROTECTION: Safety glasses(goggles)

SKIN PROTECTION: Protective clothing

CONTROL PARAMETERS

ACGIH: Not established

OSHA PEL: Not established

NIOSH REL: Not established

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White

SHAPE: Solid Powder

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

SPACIFIC GRAVITY (DENSITY): No data available

SOLUBILITY IN

Water: Insoluble

Organic solvent: Insoluble

PARTITION COEFFICIENT; n-octanol/water: Not available

DECOMPOSITION TEMPERATURE: Not available

10. STABILITY AND REACTIVITY

REACTIVITY: No data available

CHEMICAL STABILITY: Stable under recommended storage conditions.

CONDITION TO AVOID: No data available

INCOMPATIBLE MATERIALS: Strong oxidizers and strong acids

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂
PRODUCT NAME : GASKUROPACK 55

11. TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>TOXICITY</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>ACUTE TOXICITY</td>
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<tr>
<td>SKIN CORROSION/IRRITATION</td>
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<td>RESPIRATORY OR SKIN SENSITIZATION</td>
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<td>GERM CELL MUTAGENICITY</td>
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<td>CARCINOGENICITY</td>
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<td>REPRODUCTIVE TOXICITY</td>
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<td>SPECIFIC TARGET ORGAN TOXICITY</td>
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<td>ASPIRATION TOXICITY</td>
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12. ECOLOGICAL INFORMATION

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<td>ECOTOXICITY</td>
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<td>BIODEGRADABILITY</td>
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<td>BIOACCUMULATION POTENTIAL</td>
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<td>MOBILITY IN SOIL</td>
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<td>OTHER ADVERSE EFFECTS</td>
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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

<table>
<thead>
<tr>
<th>TRANSPORT INFORMATION</th>
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<tbody>
<tr>
<td>IATA</td>
<td>Not dangerous goods</td>
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<td>ADR/RID</td>
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<tr>
<td>DOT(Department of Transportation)</td>
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<tr>
<td>MARINE POLLUTANT</td>
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15. REGULATORY INFORMATION

<table>
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<tr>
<th>REGULATIONS</th>
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<tr>
<td>US REGULATIONS</td>
<td>Labeling according to EC Directives; See section 2</td>
</tr>
<tr>
<td>EU REGULATIONS</td>
<td>Labeling according to EC Directives; See section 2</td>
</tr>
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</table>

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.