

SAFETY DATA SHEET

Number: 03-2-078-(1)-E

Date prepared: 2003 June 24

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1. Chemical Product and Company Identification**Product code:** -**Product name:** GC Livcarbo - Liquid**Manufacturer / Supplier:****GC Corporation, 76-1 Hasunuma-Cho, Itabashi-Ku, Tokyo, Japan****Postal code 174-8585, Phone 81-3-3965-1388****2. Hazards Identification**

Emergency Overview:

Odorless, light yellow liquid. May cause irritation to eyes, skin, digestive tract.

Potential Health Effects

Eye: May cause irritation.

Skin: May cause irritation

Ingestion: May cause irritation to digestive tract.

3. Composition / Information on Ingredients

(% chemical components by WT)

Distilled water 55

Polyacrylic acid 45

4. First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. If symptoms persist, get medical attention.

Skin: Immediately wash with water and soap and rinse thoroughly.

Ingestion: If symptoms persist, get medical attention.

Inhalation: In case of unconsciousness, place patient stably in side position for transportation.

5. Fire Fighting Measures**Flammable Properties:****Flash Point:** Not applicable.**Flammable Limits:** Not applicable**Auto Ignition Temperature:** Not applicable**Hazardous Combustion Products:** Not known**Extinguishing Media:** Chemical foam, carbon dioxide, and dry chemical**Fire Fighting Instructions:** No special measures required.**6. Accidental Release Measures****Measures for environmental protection:** No special measures required.**Measures for cleaning/collections:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust)**7. Handling and Storage****Handling:****Information for safe handling:** No special measures required.**Information for fire and explosion protection:** No special measures required.**Storage:****Requirements to be met by storerooms and receptacles:** No special measures required.**Further information about storage conditions:** Keep receptacle tightly sealed.

8. Exposure Controls, Personal Protection

Respiratory Protection: Not required.

Skin Protection: Protective gloves.

Eye Protection: Tightly sealed goggles.

Exposure Guideline(s): No data available.

Engineering Controls: No special controls are required.

9. Physical and Chemical Properties

Appearance: Light yellow liquid.

Odor: Odorless

Boiling Point: 101 degC

Vapor Pressure: Not determined.

Vapor Density: Not determined.

Solubility in Water: Difficult to mix.

Specific Gravity: 1.18

Freezing Point: No data

pH: No data

Volatility: Not determined.

10. Stability and Reactivity

Stability: Stable

Incompatibility: Non

Hazardous Decomposition Products: No dangerous decomposition products known.

Hazardous Polymerization: No dangerous polymerization known.

11. Toxicological Information

Acute Toxicity:

on the skin: Irritant to skin and mucous membranes.

on the eye: Irritating effect.

Additional toxicological information: No special information on toxicology.

12. Ecological Information

No data are available on the adverse effects of this material on the environment.

13. Disposal Considerations

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

It is recommended to consult local or state regulations regarding proper disposal.

14. Transport Information

IMO Regulations: Not IMO hazardous material

ICAO and IATA Regulations: Not ICAO/IATA hazardous material

15. Regulatory Information

According to the Japanese regulations or code, this material is not classified as a hazardous material.

It is recommended however to consult local regulations of the region or state to determine its identification.

16. Other Information

No specific notes available.

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