

Safety Data Sheet (SDS)

1. Identification of the substance or mixture and of the supplier

Product Name	LIGHTNING GEL REMOVER
Synonym(s)	None
Product Code	None
Product Description	Remover
Recommended use of the chemical	Remover of glue
Company Name	Belle CO., LTD
Address	Osakaekimaedai3Bld 29F, 1-1-3, Umeda, Osaka-shi, kita-ku, Osaka 530-0001 Japan
Telephone No	+81-70-3108-4470

2. Hazard Identification

GHS Classification (Based on NITE)

Physical Hazards

Explosives	-
Flammable gases	-
Flammable aerosols	-
Oxidizing gases	-
Gases under pressure	-
Flammable liqu	-
Flammable solids	-
Self-reactive substances and mixtures	-
Pyrophoric liquids	-
Pyrophoric solids	-
Self-heating substances and mixtures	-
Substances and mixtures which, in contact with water, emit flammable gases	-
Oxidizing liquids	-
Oxidizing solids	-
Organic peroxides	-
Corrosive to metals	-

Human Health Hazards

Acute toxicity (Oral)	-
Acute toxicity (Dermal)	-
Acute toxicity (Inhalation: Gases)	-
Acute toxicity (Inhalation: Vapours)	-
Acute toxicity (Inhalation: Dusts)	-
Acute toxicity (Inhalation: Mists)	-

Skin corrosion/irritation	-
Serious eye damage/eye irritation	Category 2A
Respiratory sensitization	-
Skin sensitization	-
Germ cell mutagenicity	-
Carcinogenicity	-
Reproductive toxicity	-
Specific target organ toxicity-Single exposure	-
Specific target organ toxicity-Repeated exposure	-
Aspiration hazard	-

Environmental Hazards

Acute toxicity to the aquatic environment	-
Chronic toxicity to the aquatic environment	-

Label Elements

Pictogram and Symbol: Exclamation Mark

Signal word:

Warning



Hazard statement:

causes serious eye irritation

Precaution:

[Prevention]

Wash hands thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

[Response]

If in eyes: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do.

[Storage]

-

[Disposal]

Dispose of contents/container in accordance with local/regional/national/
International/regulations

3. Composition/information on ingredients

3.1 Substance: Substance

Ingredients	wt %	CAS registry No	Chemical Formula
Propylene Carbonate	90~98	108-32-7	C ₄ H ₆ O ₃
Sodium polyacrylate	3~5	Secret	Secret
Sodium polyacrylate	3~5	Secret	Secret
Color	Less than 1	13463-67-7	TiO ₂

Classification of the substance: None

4. First aid measures

4.1 Description of necessary measures, subdivided according to the different routes of exposure, ie, inhalation, skin and eye contact, and ingestion

If on skin: Wash with plenty of soap and water.

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Immediately call a POISON CENTER or doctor/physician.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

4.2 Most important symptoms/effects, acute and delayed

Causes serious eye irritation (Serious eye damage/eye irritation Category 2A)

4.3 Indication of immediate medical attention and special treatment needed, if necessary

If skin irritation or rash occurs: Get medical advice/attention

If eye irritation persists: Get medical advice/attention

5. Firefighting measures

5.1 Acute hazards/ symptoms in fire: Combustible.

5.2 Prevention in fire: No open flames.

5.3 First aid/fire Fighting in fire: In case of fire in the surroundings: use appropriate extinguishing media.

5.4 Acute hazards/symptoms in explosion: Above 75 °C explosive vapour/air mixtures may be formed.

5.5 Prevention in explosion: Above 75 °C use a closed system, ventilation, and explosion-Proof electrical equipment.

5.6 First aid/firefighting in explosion: In case of fire: keep drums, etc., cool by spraying with water.

6. Accidental release measures

6.1 Evacuate nonessential personnel.

6.2 Shut off all sources of ignition; No fires, smoking or flames in area.

6.3 Ventilate area after material pick up is completed.

6.4 For small spills: Absorb spill with inert material (dry cloth, dry sand), then place in a chemical waste Containers using non-sparking tools. Flush residual spill(area) with plenty of water.

6.5 For large spills: Dike for later disposal. Wash with plenty of water.

7. Handling and storage

7.1 Precautions for safe handling.

Keep away from heat/sparks/open flames/ hot surfaces. No smoking.

Avoid breathing mist/vapours/spray.

Wash hands thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

Take off contaminated clothing and wash before reuse.

7.2 Conditions for safe storage, including any incompatibilities.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

8. Exposure controls/personal protection

8.1 Control parameters, eg, occupational exposure limit values or biological limit values

ACGIH 2007, TLV-TWA 0.2ppm

8.2 Appropriate engineering controls (Please refer to engineering controls described in “7.1 Precautions for safe handling”.)

8.2 Individual protection measures, such as personal protective equipment (Please refer to Individual protection measures described in “7.1 Precautions for safe handling”.)

9. Physical and chemical properties

9.1 Appearance (physical state, color, etc): Color is white

9.2 Odor: Not available

9.3 Odor threshold: No available

9.4 pH: No available

9.5 Melting point/Freezing point: -50 C

9.6 Initial boiling point and boiling range : 242 C

9.7 Flash point: 130 C(c.c.)

9.8 Evaporation rate: No data

9.9 Flammability (solid, gas): Liquid

9.10 Upper/lower flammability or explosive limits: lower limit 1.8vol% upper limit: 14.3vol%

9.11 Vapor pressure:11.3Pa(25C)

9.12 Relative density:1.205 g/ml(20 C)

9.13 Solubility (ies): soluble in water. Freely soluble

10. Stability and reactivity

10.1 Condition to avoid: High humidity, high temperature or direct sunlight.

10.2 Stability: Stable (cool and dry area).

10.3 Materials to avoid: Polymerized by contact with water, alcohols, amines, alkalis.

10.4 Hazardous decomposition or by products: CO₂, oxides and nitrogen and unknown hydrocarbons.

11. Toxicological information

Acute toxicity:

Oral toxicity; rat LD₅₀ > 29000mg/kg

Dermal toxicity; rabbit LD₅₀ > 202ml/kg

Irritant properties:

May irritate skin.

Irritating to the eyes.

Allergenic and sensitizing effects:

Not available

Specific target organ systemic toxicity(single exposure, repeated exposure):

Not available

Carcinogenic effects:

Not available

Mutagenic effects:

Not available

Toxicity for reproduction:

Not available

12. Ecological information

12.1 Acute toxicity to the aquatic environment

No data available.

12.2 Chronic toxicity to the aquatic environment

No data available.

13. Disposal considerations

13.1 Description of waste residues and information on their safe handling and methods of disposal

If you would like to dispose of this chemical, you should properly dispose of this by yourself or ask Qualified specific agents dispose of this according to related legislations and local regulations.

If you would like to ask the agents dispose of this chemical, you should provide sufficient information on dangerousness and hazard of this chemical.

13.2 The disposal of any contaminated packaging

Container should be recycled after cleaning or if you would like to dispose of container of this chemical, you should properly dispose of this by yourself or ask qualified specific agents dispose of this according to related legislations and local regulations. If you would like to ask the agents dispose of this container, you should provide sufficient information on dangerousness and hazard of this chemical in this container

and information on ingredient and notice of container.

14. Transport information

Basic classification information for the transporting/shipment:

Sea : Not controlled under IMDG's regulations

Air : Not controlled under IATA's regulations

Special precautions which a user needs to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises:

Protect from direct sun light in transportation, and confirm the container does not leak.

Carefully load it onto a transporter without dropping, overturning or damaging so that it will stably stays on the transporter.

15. Regulatory information

Comply with all countries, national and local regulations.

16. Other information