

Safety Data Sheet

GLU Standard

1. Product and Company Identification

Name: GLU Standard
Manufacturer's name: UMA, Co., Ltd.
Address: 2-19-6,Yokosuka, Matsudo, Chiba, 270-0031, Japan
Tel: +81-47-710-4871
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2.Composition information on ingredients

-	d-(+)-Glucose:	200mg/dL
	p-Hydroxybenzoic acid:	1g/L

3. Hazard Identification

May be harmful if inhaled and ingested.
May cause eye and skin irritation.

4.First Aid Measures

Inhalation: Move subject to fresh air.
Eye contact: Flush eyes with a large amount of water for at least 15 minutes.
Consult a physician if irritation persists.
Skin contact: Wash affected skin areas thoroughly with soap and water.
Consult a physician if irritation persists.
Ingestion: If swallowed,give 2 glasses of water to drink.Consult a physician.
Never give anything by mouth to an unconscious person.

5. Fire fighting measures

Extinguishing Media: Carbon dioxide,dry chemical powder,foam,water
Fire&explosion hazards Toxic,irritating fumes or smoke may be emitted.
Special protective equipment for firefighters
Firemen should wear normal protective equipment(full bunker gear)
and positive-pressure self-contained breathing apparatus.

6. Accidental Release Measures

Personal precautions Remove ignition sources and ventilate area.In case of insufficient ventilation,wear suitable respiratory equipment.Avoid contact with

skin and eyes.

Environmental precautions Prevent spills from entering sewers,watercourses or low areas.

Methods for clean up Do not touch spilled material without suitable protection(See section 8).Take up spilled material with ashes or other absorbents.After material is completely picked up,wash the spill site with soap and water and ventilate the area.Put all waste in a plastic bag for disposal and seal it tightly.Remove,clean,or dispose of contaminated clothing.

7. Handling and Storage

Handling: Avoid contact with eyes,skin and clothing.Avoid prolonged or repeated exposure.Handle material with suitable protection.

Storage: Store away from sunlight in a cool(2-10°C=35.6-50°F) well-ventilated dry place. Keep container tightly closed.

8. Exposure Controls/Personal Protection

Engineering measures Use exhaust ventilation to keep airborne concentrations below exposure limits.Use only with adequate ventilation.

Ventilation Local exhaust;necessary, Mechanical(general);recommended

Control parameter OSHA final limits: None established
ACGIH TLV(s): None established

Personal protection Respiratory protection: NIOSH/MSHA approved respirator
Hand protection: Chemical resistant gloves
Eye protection: Safety glasses(goggles)
Skin protection: Protective clothing

9. Typical Physical Properties

Appearance:	Pale yellowish liquid
Odor:	Odorless
Melting point:	Not available
Boiling point:	Not available
Flash point:	Not available
Decomposition temp.:	Not available
Explosive limits:	Not available
Vapor pressure:	Not available
Specific gravity:	1.01
Solubility in water:	Miscible
log Po/w:	Not available

10. Stability and reactivity

Condition to avoid: Sunlight,heat

Incompatibility(material to avoid): Oxidizers,strong alkalis,water-reactive materials
(alkali metals etc.)

Hazardous decomposition products: Not available

Hazardous polymerization: Will not occur.

11. Toxicological information

Acute toxicity data: Not available as the mixture

Irritation data: Not available as the mixture

Mutation data: Not available as the mixture

Reproductive effects data: Not available as the mixture

Tumorigenic data: Not available as the mixture

12. Disposal Considerations

Sodium azide may react with copper or lead plumbing to form explosive compounds. Even though the reagents contain minute quantities of sodium azide, drains should be well flushed with large amount of water when discarding the reagents. Incinerate and dispose of waste 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 environmental agency for specific rules).

13Transport information

IATA: Not restricted.

DOT: Not a hazardous material for DOT shipping.

14.Regulatory information

No information found

15.Other information

No specific notes.