

## Material Safety Data Sheet Gluconic Acid

### Section 1 - Product Identification

Product Name : Gluconic Acid  
Company Identification : Tradeasia International Pte. Limited  
Address : 133 Cecil Street # 12-03 Keck Seng Tower, Singapore  
Tel : +65-6227 6365  
Fax : +65-6225 6286  
Email : [contact@chemtradeasia.com](mailto:contact@chemtradeasia.com)

### Section 2 – Hazards Identification

#### Classification of the substance or mixture:

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.  
This substance is not classified as dangerous according to Directive 67/548/EEC.

#### Label elements:

The product does not need to be labelled in accordance with EC directives or respective national laws

#### Other hazards

None

### Section 3 – Composition/Information on Ingredients

Component	CAS-No	Concentration
Guar Gum	526-95-4	<= 100 %

### Section 4 – First-Aid Measures

#### Description of first aid measures

##### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

##### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

##### In case of skin contact

Wash off with soap and plenty of water.

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**In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

**Indication of any immediate medical attention and special treatment needed**

No data available

## **Section 5 – Fire Fighting Measures**

**Special hazards arising from the substance or mixture:**

Carbon oxides

**Fire Extinguishing Media:**

Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special Information:**

Use protective clothing and breathing equipment appropriate for the surrounding fire.

## **Section 6 – Accidental Release Measures**

**Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

**Environmental precautions:**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Methods and materials for containment and cleaning up**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

## **Section 7 – Handling and Storage**

**Handling Conditions:**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition – No smoking. Keep away from heat and sources of ignition.

**Storage Conditions:**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Air, light, and moisture sensitive.

## Section 8 – Exposure Controls/Personal Protection

### Control parameters

Components with workplace control parameters

### Exposure controls:

General industrial hygiene practice.

### Personal protective equipment

#### Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

#### Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

## Section 9 – Physical and Chemical Properties

<b>Appearance</b>	:Amber Liquid
<b>Odor</b>	:odourless
<b>Vapor Density (Air=1)</b>	:NA
<b>Vapor Pressure (mm Hg)</b>	:NA
<b>Boiling Point</b>	:NA
<b>Melting Point</b>	:NA
<b>Evaporation Rate (BuAc=1)</b>	:NA

<b>Autoignition Temperature</b>	:NA
<b>Flash Point</b>	:NA
<b>pH Value (100g/l)</b>	:NA
<b>Explosion Limits, lower</b>	:NA
<b>Explosion Limits, upper</b>	:NA
<b>Decomposition Temperature</b>	:NA
<b>Density</b>	:1.23

## Section 10 – Stability and Reactivity

### Stability:

Stable under normal conditions of storage and handling.

### Incompatibility:

Strong oxidizing agents.

### Possibility of hazardous reactions:

No data available.

### Hazardous Decomposition Products:

No data available.

## Section 11 – Toxicological Information

### Information on toxicological effects

#### Acute toxicity

No data available

#### Skin corrosion/irritation

No data available

#### Serious eye damage/eye irritation

No data available

#### Respiratory or skin sensitisation

No data available

#### Germ cell mutagenicity

No data available

#### Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Potential health effects**

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation
Ingestion	May be harmful if swallowed
Skin	May be harmful if absorbed through skin. May cause skin irritation
Eyes	May cause eye irritation

**Additional Information**

RTECS: No data available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## Section 12 – Ecological Information

**Toxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Results of PBT and vPvB assessment**

No data available.

**Other adverse effects**

No data available.

## Section 13 – Disposal Considerations

### Waste Disposal:

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of in accordance with local, state and federal regulations.

## Section 14 – Transport Information

### UN number

ADR/RID: -

IMDG: -

IATA: -

### UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

### Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

### Packaging group

ADR/RID: -

IMDG: -

IATA: -

### Environmental hazards

ADR/RID: -

IMDG: -

IATA: -

### Special precautions for user

No data available

## Section 15 – Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006. 15.2

### Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available

### Chemical safety assessment

For this product a chemical safety assessment was not carried out

## Section 16 : Additional Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way

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