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## SAFETY DATA SHEET

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Glutaric anhydride  
Product Number: S1583

Sarchem Laboratories, Inc.  
5012 Industrial Road  
Farmingdale, NJ 07727

Emergency Phone No: 800-255-3924  
International: +1-813-248-0585  
ChemTel Inc

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### 2. HAZARDS INFORMATION:

#### Classification of the substance or mixture

#### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity, Oral (Category 4), H302

Acute toxicity, Dermal (Category 4), H312

Skin irritation (Category 2), H315

Serious eye damage (Category 1), H318

Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

For the full text of the H-Statements mentioned in this Section, see Section 16.

#### Pictogram



Signal word Danger

#### Hazard statement(s)

H302 + H312 Harmful if swallowed or in contact with skin

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

#### Precautionary statement(s)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear eye protection/ face protection.

P280 Wear protective gloves/ protective clothing.

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

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P302 + P352 + P312 IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or doctor/ physician if you feel unwell.

P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.

P305 + P351 + P338 + P310 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.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents/ container to an approved waste disposal plant.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>EC Number</u>	<u>Molecular Weight</u>
Glutaric anhydride	108-55-4	203-593-6	114.1 g/mol

Chemical Formula: C<sub>5</sub>H<sub>6</sub>O<sub>3</sub>

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### 4. FIRST AID MEASURES:

#### **General Advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

#### **If inhaled**

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

#### **In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

#### **In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

#### **If swallowed**

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

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### 5. FIRE FIGHTING MEASURES

#### **Flammable properties**

Flash point	173 °C (343 °F) - closed cup
Ignition temperature	no data available

**Suitable extinguishing media**

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

**Special protective equipment for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary.

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**6. Accidental Release Measures****Personal precautions**

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

**Environmental precautions**

Do not let product enter drains.

**Methods for cleaning up**

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

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**7. Handling and Storage****Handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

**Storage**

Keep container tightly closed in a dry and well-ventilated place.  
Moisture sensitive.

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**8. Exposure Controls / Personal Protection**

Contains no substances with occupational exposure limit values.

**Personal protective equipment****Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection**

Handle with gloves

**Eye protection**

Safety glasses.

**Skin and body protection**

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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**9. PHYSICAL AND CHEMICAL PROPERTIES:****Appearance**

Form	solid
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**Safety data**

pH	no data available
Melting Point	50 - 55 °C (122 - 131 °F)
Boiling Point	150 °C (302 °F) at 13 hPa (10 mmHg)
Flash Point	173 °C (343 °F) - closed cup
Ignition temperature	no data available
Vapor Pressure	no data available
Lower exposure limit	no data available
Upper exposure limit	no data available

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**10. Stability and Reactivity****Storage stability**

Stable under recommended storage conditions.

**Materials to avoid**

Strong oxidizing agents, acids, Bases, Alcohols, Amines

**Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides

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**11. Toxicological Information**

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**Acute toxicity**

LD50 Oral - rat - 540 mg/kg

Remarks: Behavioral:Somnolence(general depressed activity). Gastrointestinal:Necrotic changes. Liver:Hepatitis (hepatocellular necrosis), diffuse.

LD50 Dermal - rabbit - 1,780 mg/kg

**Skin corrosion/irritation**

no data available

**Sensitization**

no data available

**Chronic exposure**

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.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Signs and Symptoms of Exposure**

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

**Potential Health Effects**

<b>Inhalation:</b>	May be harmful if inhaled. Causes respiratory tract irritation.
<b>Skin:</b>	Harmful if absorbed through skin. Causes skin irritation.
<b>Eyes:</b>	Causes eye irritation
<b>Ingestion:</b>	Harmful if swallowed.

**Additional Information**

RTECS: MA3850000

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**12. Ecological Information****Elimination information (persistence and degradability)**

No data available

**Ecotoxicity effects**

no data available

**Further information on ecology**

No data available

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**13. Disposal Considerations****Product**

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging**

Dispose of as unused product

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**14. Transportation Information****DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

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**15. Regulatory Information****OSHA Hazards**

Harmful by ingestion., Harmful by skin absorption., Irritant

**DSL Status**

All components of this product are on the Canadian DSL list.

**SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**

Acute Health Hazard

**Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

**New Jersey Right to Know Components**

	CAS-No.	Revision Date
Glutaric anhydride	108-55-4	

**California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth or any other reproductive defects.

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**16. OTHER INFORMATION:**

**HMIS Classification**

<b>Health Hazard:</b>	2
<b>Flammability:</b>	1
<b>Physical hazards:</b>	0

**NFPA Rating**

<b>Health Hazard:</b>	2
<b>Flammability:</b>	1
<b>Physical hazards:</b>	0

**Further Information**

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