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**SECTION 1: IDENTIFICATION**

**Effective Date:** October '95  
**Product Name:** ITACONIC ANHYDRIDE  
**Common Name:** methylenesuccinic anhydride  
**CAS No.:** 2170-03-8

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**SECTION 2: HAZARDOUS INGREDIENTS:**

Irritant to eyes, respiratory system and skin

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**SECTION 3: PHYSICAL DATA**

**Physical Data:**

Appearance and Odor:	white solid, no known strong odors
Boiling point:(760 mmHg)	no data
Melting Point:	70-72°C
Density:	no data
Molecular formula:	C <sub>5</sub> H <sub>4</sub> O <sub>3</sub>
Molecular weight	112.09

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**SECTION 4: FIRE AND EXPLOSION DATA**

**Fire and Explosion Information:**

In the event of a fire involving this material, alone or in combination with other materials, use dry powder or carbon dioxide (not water) extinguishers. Protective clothing and self-contained breathing apparatus should be worn.

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**SECTION 5: REACTIVITY DATA**

**Conditions to Avoid:**

heat, flames and sparks

**Incompatibilities:**

oxidizing agents. May decompose on exposure to moist air or water

**Hazardous Decomposition or byproducts:**

carbon monoxide

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**SECTION 6: HEALTH HAZARD DATA**

**Toxicity:** no data

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**SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES**

**Spillage:** Mix with sand or similar inert absorbent material, sweep up and keep in tightly closed container for disposal

**Disposal:** Arrange disposal as special waste, by licensed disposal company, in consultation with local Waste Disposal Authority, in accordance with national and regional regulations.

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**SECTION 8: FIRST AID PROCEDURES**

**First Aid:**

**Eyes:** Immediately irrigate eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing of the eyes by separating the eyelids with fingers. If irritation persists, seek medical attention

<b>Skin:</b>	Immediately wash skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes. If irritation persists, seek medical attention
<b>Inhalation:</b>	Remove to fresh air, rest and keep warm. In severe cases or if symptoms persist, seek medical attention
<b>Ingestion:</b>	Wash out mouth with copious amounts of water for at least 15 minutes. Do not induce vomiting. Seek medical attention.

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#### **SECTION 9: PRECAUTION TO BE TAKEN IN HANDLING AND STORING**

**Other Precautions:** Should be handled only by, or under the supervision of, those properly qualified in handling and use of potentially hazardous chemicals, who should take into account the fire, health and chemical hazard data given on the sheet. It should always be handled in an efficient fumehood or equivalent system. It should be borne in mind that the toxicological and physiological properties of many compounds are not yet well determined and that new hazardous products arise from reactions between chemical. Care should be taken to prevent any chemical from coming into contact with skin or eyes and from contaminated personal clothing. Store in closed vessels in a dry place, away from sources of heat. Moisture sensitive.

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#### **SECTION 10: SPECIAL PROTECTION INFORMATION**

<b>Ventilation:</b>	Use appropriate engineering controls to reduce air contamination to approved/permissible national exposure standards. Where such systems are not effective wear suitable personal protective equipment.
<b>Eye Protection:</b>	yes
<b>Protective Gloves:</b>	gloves or gauntlets
<b>Respiratory Protection:</b>	approved mask/respirator
<b>Other Protective Gear:</b>	protective clothing

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#### **SECTION 11: TRANSPORT INFORMATION**

**DOT classification:** not regulated  
**DOT pictograms:**