OXFORD LAB FINE CHEM LLP

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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

ITACONIC ACID 99%

(For Synthesis)
(Methylene Succinic Acid)
MSDS CAS: 97-65-4

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product
Product Name: ITACONIC ACID
CAS#: 97-65-4
Synonym: Methylene Succinic Acid
Chemical Name: Itaconic Acid
Chemical Formula: $C_5H_6O_4$

Brand: OXFORD

Details Of The Supplier Of The Safety Data Sheet:

Company identification: OXFORD LAB FINE CHEM LLP
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,
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Tel: 91-250-2390989
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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Itaconic Acid	97-65-4	100

Section 3: Hazards Identification

Risk advice to man and the environment: Irritating to eyes, respiratory system and skin.

Section 4: 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 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.

Section 5: Fire and Explosion Data

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.

Section 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.

Section 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:
Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Moisture sensitive.

Section 8: Exposure Controls/Personal Protection

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

Section 9: Physical and Chemical Properties

Appearance Form	**: crystalline**
Colour	**: Beige**
pH	**: No data available**
Molecular Weight	**: 130.1 g/mole**
Melting point	**: 166 - 167 °C**

Section 9: Physical and Chemical Properties (Continued)

Boiling point	**: No data available**
Flash point	**: No data available**
Ignition temperature	**: 800 °C**
Lower explosion limit	**: No data available**
Upper explosion limit	**: No data available**
Density	**: 1,573 g/cm3**
Water solubility	**: No data available**

Section 10: Stability and Reactivity Data

Storage stability: **Stable under recommended storage conditions.**

Materials to avoid: **Bases, Oxidizing agents, Reducing agents**

Hazardous decomposition products:
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section 11: Toxicological Information

Acute toxicity: **No data available.**

Irritation and corrosion: **No data available.**

Sensitisation: **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.

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
Inhalation May be harmful if inhaled. Causes respiratory tract irritation.
Skin May be harmful if absorbed through skin. Causes skin irritation.

Section 11: Toxicological Information (continued)

Eyes **Causes eye irritation.**
Ingestion **May be harmful if swallowed.**

Section 12: Ecological Information

Elimination information (persistence and degradability): **No data available.**

Ecotoxicity effects: **No data available.**

Further information on ecology: **No data available.**

Section 13: Disposal Considerations

Product
Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: **Dispose of as unused product.**

Section 14: Transport Information

Land transport (ADR-RID)

General information: **Not regulated.**

Sea transport (IMDG) [English only]

General information: **Not regulated.**

Air transport (ICAO-IATA) [English only]

General information: **Not regulated**

Section 15: Other Regulatory Information

Labelling according to EC Directives
Hazard symbols: Xi Irritant

R-phrase(s):
R36/37/38 Irritating to eyes, respiratory system and skin.

S-phrase(s):
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36 Wear suitable protective clothing.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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