



Section 1. Product and Company Identification

Product Name Mandelic Acid
CAS Number 90-64-2

Parchem - fine & specialty chemicals
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New Rochelle, NY 10801
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EMERGENCY RESPONSE NUMBER
CHEMTEL
Toll Free US & Canada: 1 (800) 255-3924
All other Origins: 1 (813) 248-0585
Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

Not classified

Emergency Overview

OSHA Hazards: No known OSHA hazards.
Not a dangerous substance according to GHS.

HMIS Ratings

Health Hazard: 0
Flammability: 0
Reactivity: 0

NFPA Ratings

Health Hazard: 0
Flammability: 0
Reactivity: 0

Potential Health Effects

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

Section 3. Composition / Information on Ingredients

Common Name Mandelic Acid
Synonym(s) DL-Mandelic Acid
Formula $C_8H_8O_3$
CAS Number 90-64-2



COMPONENT	CAS NUMBER	CONCENTRATION
Mandelic Acid	90-64-2	100%

Section 4. First Aid Measures

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

Skin Contact: Wash off with soap and plenty of water.

Eye Contact: Flush eyes with water as a precaution.

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

Section 5. Firefighting Measures

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Special Protective Equipment for Firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Hazardous Combustion Products

Hazardous Decomposition Products Formed Under Fire Conditions: Carbon oxides

Section 6. Accidental Release Measures

Personal Precautions: Avoid dust formation. Avoid breathing vapors, mist, or gas.

Environmental Precautions: Do not let product enter drains.

Methods And Materials For Containment And Cleaning Up: Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7. Handling and Storage

Precautions for Safe Handling: Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for Safe Storage: Keep container tightly closed in a dry and well-ventilated place. Light sensitive.

Section 8. Exposure Controls / Personal Protection

Contains no substances with occupational exposure limit values.

Personal Protective Equipment

Respiratory Protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).



Hand 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.

Eye Protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and Body Protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures: General industrial hygiene practice.

Section 9. Physical and Chemical Properties

Appearance

Form: Solid

Safety Data

pH: No data available

Melting Point/Freezing Point: 119 - 121°C (266 - 271°F)

Boiling Point: No data available

Flash Point: No data available

Ignition Temperature: No data available

Auto Ignition Temperature: No data available

Lower Explosion Limit: No data available

Upper Explosion Limit: No data available

Vapor Pressure: No data available

Density: No data available

Water Solubility: No data available

Partition Coefficient n-Octanol/Water: No data available

Relative Vapor Density: No data available

Odor: No data available

Odor Threshold: No data available

Evaporation Rate: No data available

Section 10. Stability and Reactivity

Chemical Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: No data available

Conditions to Avoid: No data available

Materials to Avoid: Strong bases, Strong oxidizing agents, Strong reducing agents

Hazardous Decomposition Products

Hazardous Decomposition Products Formed Under Fire Conditions: Carbon oxides



Other Decomposition Products: No data available

Section 11. Toxicological Information

Acute Toxicity

Oral LD50: No data available

Inhalation LC50: No data available

Dermal LD50: No data available

Other Information on Acute Toxicity: No data available

Skin Corrosion/Irritation: No data available

Serious Eye Damage/Eye Irritation: No data available

Respiratory or Skin Sensitization: No data available

Germ Cell Mutagenicity: No data available

Carcinogenicity: 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, NTP, or OSHA.

Reproductive Toxicity: No data available

Teratogenicity: No data available

Specific Target Organ Toxicity

Single Exposure (Globally Harmonized System): No data available

Repeated Exposure (Globally Harmonized System): 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.

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

Synergistic Effects: No data available

Additional Information

RTECS: Not available

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



PBT and vPvB Assessment: No data available
Other Adverse Effects: No data available

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

DOT (US): Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods

Section 15. Regulatory Information

OSHA Hazards: No known OSHA hazards

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: No SARA Hazards

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

Pennsylvania Right to Know Components: Mandelic Acid, CAS-No. 90-64-2

New Jersey Right to Know Components: Mandelic Acid, CAS-No. 90-64-2

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 6/24/2015

