

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Mandelic acid	Supplier: ASES CHEMICAL WORKS.
Synonyms: DL- α -Hydroxyphenylacetic acid	Address: Brahm Bagh, Jalori Gate
INCI Name: DL-Mandelic acid	Jodhpur - 342001 Rajasthan-India
CAS Number: 90-64-2	Phone: +91-9636889954
Product Form: Substance	Web: www.ases.in
Product Use: Manufacture of substances	Email: ecom@ases.in

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008 : Serious eye damage (Category 1), H318 2

Label Elements:

Signal : Warning



Hazard and precautionary statements

Hazard statement(s)

H318 Causes serious eye damage.

Precautionary statement(s)

P280 Wear eye protection/ face protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.

Other hazards No additional information available

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No	EC No	Formula	Molecular Weight	Concentration
DL MANDELIC ACID	90-64-2	202-007-6	C8H8O3	152.15 g/mol	<= 100 %

4 FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

Inhalation: If inhaled, removed to fresh air. Get medical attention if symptoms appear.

Ingestion: Get medical attention. Do not induce vomiting unless directed by medical personnel.

5 FIRE-FIGHTING MEASURES

Suitable extinguishing media : Water spray, water jet, foam, dry powder, carbon dioxide.

Special Firefighting Methods: Cool the intact exposed containers with water mist and remove them.

Fire-Fighting/Further Advice: Wear self-contained respiratory protection and protective clothes required

6 ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment. Ensure adequate ventilation.

Environmental precautions: Do not discharge into drains/surface waters/groundwater..

Methods for cleaning: Pick up mechanically. Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Handling: Handle in accordance with good industrial hygiene and safety practices. Avoid contact with eyes

Storage: Store in original container. Keep container tightly closed. Store in a dry place.

Protect from moisture.

MATERIAL SAFETY DATA SHEET

MANDELIC ACID

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Contains no substances with occupational exposure limit values.

Respiratory Protection: Not normally required. If heated vapor is present use a full-face organic vapor air purifying respirator

Eye protection: Safety/Splash goggles

Skin & Hand protection: Hand protection not required. PVC apron and safety boots/shoes

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White crystalline	Melting Point:	119 - 121 °C - lit
Form :	solid	pH:	2,3 at 10 g/l
Odor:	Odorless	Autoignition temperature:	does not ignite
Boiling Point:	255 - 340 °C at ca.1.013 hPa	Solubility:	Soluble in water
Molecular Weight:	242.45 g/mol	Viscosity:	Not available
Flammability:	The product is not flammable	Density:	1.3 g/cm ³
Flash Point :	N/A	Vapor pressure:	< 0,1 hPa at 25 °C

10 STABILITY AND REACTIVITY

Reactivity: No dangerous reaction known under conditions of normal use

Chemical Stability: Stable under normal temperature conditions

Hazardous Polymerization: Not determined.

Conditions to Avoid: Direct sunlight. Air contact. Moisture.

Incompatible Materials: No substances known that should be avoided.

Hazardous Decomposition Products: No additional information available

11 TOXICOLOGICAL INFORMATION

Acute toxicity (list all possible routes of exposure) Oral ,Dermal, Inhalation Product: No data available

Signs and Symptoms of Exposure: No data available.

Potential Health Effects

Inhalation: No data available.

Skin: Not available.

Eyes: No data available.

Chronic Exposure: Not available

12 ECOLOGICAL INFORMATION

Ecotoxicology: Not available.

Degradability: Not available.

Bioaccumulation: Not available.

13 DISPOSAL CONSIDERATIONS

Disposal methods: Must be disposed of or incinerated in accordance with local regulations.

Contaminated Packaging: If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

14 TRANSPORT INFORMATION

US DOT Shipping Description (Land) : Not classified as a dangerous good under transport regulations

IMO-IMDG Shipping Description (Sea) : Not classified as a dangerous good under transport regulations

IATA Shipping Description (Air) : Not classified as a dangerous good under transport regulations

15 REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture : Not classified

Chemical Safety Assessment: This product does not contain any chemical components regulated.

16 OTHER INFORMATION

Disclaimer & Caution

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 ASES CHEMICAL WORKS assume no liability resulting from its use.