SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name

DL-Mandelic Acid

1.2. Details of the supplier of the safety data sheet

Identification of the company

Skin & Hair Manufacturing Hub

3 East Burrowfield, Welwyn Garden City, Hertfordshire. United Kingdom ,AL7 4TB

Tel: +44 (0)1707331808

Email: contact@skinandhairmanufacturinghub.com

SECTION 2:Hazards identification

2.1. Classification of the substance or mixture

Irritating to eyes, respiratory system and skin.

Potential Health Effects

Eye: Causes eye irritation.

Skin: Causes skin irritation.

Ingestion: May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.

Inhalation: Causes respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

Chronic: Not available.

2.2.Other hazards

No additional hazards are known except those derived from the labelling.

SECTION 3: Composition / information on ingredients

Chemical name	CAS No.	EC Number
DL-Mandelic Acid	611-72-3/90-64-2	202-007-6

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove soiled or soaked clothing immediately

After inhalation

In the event of symptoms seek medical advice.

After contact with skin

In case of contact with skin wash off immediately with plenty of water

After contact with eyes

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice

After ingestion

Summon a doctor immediately.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms

No symptoms known currently.

Hazards

No hazards known at this time.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment

Treat symptomatically.wn currently.

SECTION 5: Fire-fighting measures

5.1.Extinguishing media

Suitable extinguishing media

water spray jet

alcohol-resistant foam

carbon dioxide

dry powder

5.2. Special hazards arising from the substance or mixture

In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO)

Nitrous gases (NOx)

5.3. Advice for firefighters

Special protective equipment for firefighting

Use self-contained breathing apparatus

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Wear suitable personal protective equipment.

6.2. Environmental precautions

Do not allow to enter drains or waterways

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material (eg sand, kieselgur, acid binder, universal binder,sawdust).

Dispose of as prescribed

6.4. Reference to other sections

Additional information

Information regarding Safe handling, see chapter 6.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Open and handle container with care.

Provide good ventilation of working area (local exhaust ventilation if necessary).

Hygiene measures

Keep away from foodstuffs and beverages.

Advice on protection against fire and explosion

Observe the general rules of industrial fire protection

7.2. Conditions for safe storage, including any incompatibilities

Advice on storage compatibility

Do not store with alkalies

Do not store with strong oxidizing agents

7.3. Specific end use(s)

No further recommendations

SECTION 8: Exposure controls/personal protection

8.1. Engineering Controls

Use adequate ventilation to keep airborne concentrations low. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

8.2.Personal Protective Equipment

Eyes

Wear safety glasses and chemical goggles if splashing is possible.

Skin

Wear appropriate protective gloves and clothing to prevent skin exposure.

Clothing

Wear appropriate protective clothing to minimize contact with skin.

Respirators

Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State:	Powder
Color:	White
Odor:	Odorless
Melting point/melting range:	Not available.
Vapor Pressure:	Not available.
Viscosity:	Not available.
Boiling Point:	Not available.
Freezing/Melting Point:	Not available.
Autoignition Temperature:	Not available.
Flash Point: Not available.	Not available.
Explosion Limits, lower:	Not available.
Explosion Limits, upper:	Not available.
Decomposition Temperature:	Not available.
Solubility:	Not available

9.2 Other information

Specific Gravity/Density: -

Molecular Formula: C8H8O3

Molecular Weight: 152.15

SECTION 10:Stability and reactivity

10.1. Chemical Stability

Stable under normal temperatures and pressures.

10.2.Conditions to Avoid

Incompatible materials, exposure to moist air or water.

10.3.Incompatibilities with Other Materials

Agents oxydants, Acids, bases.

10.4.Hazardous Decomposition Products

Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbondioxide, nitrogen.

10.5.Hazardous Polymerization

Has not been reported.

SECTION 11:Toxicological information

11.1.Information on toxicological effects

Information related to the prduct itself:

RTECS#:	CAS# -- unlisted.
LD50/LC50:	Not available.
Carcinogenicity:	Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

See actual entry in RTECS for complete information.

SECTION 12:Ecological information

Do not discharge product unmonitored into the environment

SECTION 13:Disposal considerations

Dispose of in a manner consistent with federal, state, and local regulations.

SECTION 14:Transport information

GGVSee/IMDG-Code	not restricted
ICAO/IATA-DRG	not restricted
GGVS/ADR	not restricted
GGVE/RID	not restricted
UN-NR	not restricted

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or Mixture

Volatile organic compounds (VOC) Council Directive 1999/13/EC of 11 March 1999 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain activities and installations.

Evaluation:According to the composition the product contains no VOC component as defined by Directive 1999/13/EC.

Volatile organic compounds (VOC) Directive 2004/42/EC

Evaluation: According to the composition, the product contains no VOC components as defined by Directive 2004/42/EC.

Other regulations

Apart from the data/regulations specified in this chapter, no further information is available concerning safety, health and environmental protection. safety, health and environmental protection.

15.2. Chemical safety assessment

Chemical Safety Assessments (CSAs) are available for one or more of the component substances contained in this product.

SECTION 16:Other information

Observe national and local legal requirements

Legend

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AOX	Adsorbable organic bound halogens
CAS	Chemical Abstracts Service
DMEL	Derived Minimal Effect Level (genotoxic substances)
DNEL	Derived No Effect Level
EC50	Half maximal effective concentration
GHS	Globally Harmonized System
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Lethal Concentration 50%
LD50	Lethal Dose 50%
MARPOL	International Convention for the Prevention of Pollution From Ships
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
NOEC	Non Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent, Bioaccumulative, Toxic
PEC	Predicted Environmental Concentration
PNEC	Predicted No Effect Concentration
REACH	Registration,Evaluation, Authorisation and Restriction of Chemicals
RID	International Rule for Transport of Dangerous Substances by Railway
SVHC	Substances of Very High Concern
vPvB	very Persistent and very Bioaccumulative

Decimal notation: "thousands" places are identified with a dot (for example, "2.000 mg/kg" means "two thousand mg/kg"). Decimal places are identified with a comma (for example,"1,35 g/cm3" means "one point three five g/cm3").

All information and instructions provided in this Safety Data Sheet are based on the current state of scientific and technical knowledge at the date indicated on the present Safety Data Sheet. Skin&Hair Manufacturing Hub Ltdd. shall not be held responsible for any defect in the product covered by this Safety Data Sheet. The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.