

SAFETY DATA SHEET

SpecWhite® DL-MA

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier:

Trade Name: SpecWhite® DL-MA
Substance Name: 2-hydroxy-2-phenylacetic acid
CAS No.: 90-64-2
EC No.: 202-007-6
Index No.: --
REACH Registration No.: 01-2120349224-60-0004.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Raw material for Cosmetic
Uses advised against: No data available

1.3 Details of the supplier of the safety data sheet

Manufactured By: Spec-Chem Industry Inc.
No.10 Wanshou Road (ShiLin Industrial Park)
Nanjing 211800, P.R. of China
Phone Number: 86-25-84523390
Fax Number: 86-25-84520790

Only representative:

SpecChem GmbH
Prinzenallee 1, 40549 Düsseldorf, Germany
Phone Number: +4917673592556

1.4 Emergency telephone number:

112 / 116117 (European Union)
1-800-424-9300/ +1 703-527-3887 (North America, CCN 1010066)

SECTION 2: HARZARDOUS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP)
Serious eye damage/eye irritation: Category 1, H318
2.1.2 Additional information:

No more data.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]



Hazard Pictogram(s)

Signal word

Danger

Hazard statement(s)

H318: Causes serious eye damage

Precautionary statement(s)

Prevention

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

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

Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

2.3 Endocrine disrupting properties

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Substance name	INCI Name	CAS No.	EC No.	Index number in CLP Annex VI	Weight % content
2-hydroxy-2-phenylacetic acid	Mandelic Acid	90-64-2	202-007-6	--	≤100

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

In case of skin contact

Wash off with soap and plenty of water. Take off contaminated clothing and wash it before reuse. Wash hands thoroughly after handling.

In case of eye contact

Flush eyes gently with water for at least 15 minutes while holding eyelids apart: seek immediate medical attention.

If swallowed

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

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing Media:

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

Unsuitable extinguishing media: high volume water jet.

5.2 Special Hazards arising from the substance or mixture

No data available.

5.3 Advice for Fire Fighters

Wear protective clothing to prevent contact with skin and eyes.

Wear self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Protective equipment: Wear the recommended personal protective equipment. For more information, see section 8: "Exposure controls / personal protection".

Emergency procedures: Ventilate the spill area. Keep unnecessary staff away.

6.1.2 For emergency responders:

Protective equipment: Do not handle without suitable protective equipment. Provide adequate protection for cleaner. For more information, see section 8: "Exposure controls / personal protection".

Emergency procedures: Ensure well ventilated.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not empty into drains/surface water/ground water.

6.3 Methods and materials for containment and cleaning up

Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Protective measures: Do not handle or use product until safety precautions

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recommended in the SDS have been read and fully understood. Wear personal protective equipment. Ensure good ventilation to avoid the formation of dust. Avoid open flames.

Advice on general occupational hygiene: Wash hands and other exposed areas thoroughly after handling. Do not eat, drink or smoke while using this product.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions: Store at room temperature. Keep container tightly closed in a dry and well-ventilated place.

Packaging materials: Inner: Aluminum foil bag/plastic bag; Outer: barrel.

7.3 Specific end uses

no data available

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

8.1.1. National occupational / biological exposure limit values

No data available

8.1.2. Information on monitoring procedures

No data available

8.1.3. Air contaminants formed

No data available

8.1.4. DNELs / PNECs values

No data available

8.1.5. Control banding

No data available

8.2 Personal protective equipment

8.2.1. Appropriate engineering controls

Ensure the workplace is well ventilated.

8.2.2. Individual protection measures, such as personal protective equipment

Avoid unnecessary exposure.

8.2.2.1 Eye and face protection: Safety glasses with side shields. Wear eye protection according to EN 166.

8.2.2.2 Skin protection:

Hand protection: Protective gloves made of plastic or rubber. Wear gloves that have been tested according to the EN 374 standard.

Other skin protection: Wear suitable protective clothing when working

8.2.2.3 Respiratory protection: Respirator with organic vapor cartridge. Not applicable with adequate ventilation.

8.2.2.4 Thermal hazards: No further information available

8.2.3. Environmental exposure controls

Environmental exposure controls: Avoid release to the environment.

Other Information: Do not eat, drink or smoke while using.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Physical state	Crystal powder
Colour	White
Odour	No data available
Melting point	118 - 121 °C
Boiling point	255-340 °C
Flammability	No data available
Lower and upper explosion limit	Not applicable
Flash point	Not applicable
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	No data available
Solubility	Water solubility: 139 g/L, 20°C
Partition coefficient n-octanol/water	Log Pow: 0.5, 23°C
Vapour pressure	0 Pa, 20°C
Relative vapour density	Not applicable
Relative density (20°C)	1.31
Surface tension	> 60 mN/m, 20°C, 1 002 mg/L
Dissociation constant	No data available
Viscosity	Not applicable

9.2 Other Information

9.2.1. Information with regard to physical hazard classes

No data available.

9.2.2. Other safety characteristics

No additional information available.

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

No unusual reactivity

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available.

10.5 Incompatibilities materials

Strong oxidizing agents, strong reducing agents, strong alkalis.

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10.6 Hazardous decomposition products

No data available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Oral: Rabbit, Rat, Guinea Pig, LD50: > 2 000 mg/kg bw.

Dermal: No data available.

Inhalation: No data available.

Skin corrosion/irritation

In vivo skin irritation: OECD 404, Vienna White rabbit, semioclusive, Duration of treatment / exposure: 4 h, This compliant assay shows no irritation to skin after 4 h exposure of a test material suspension.

In Vitro Skin Corrosion: OECD 431, Reconstructed Human Epidermis (RHE) Test Method, human skin model, possess a corrosive potential to skin.

Serious eye damage/ irritation

In vitro eye irritation: OECD 437, Bovine Corneal Opacity and Permeability Test Method for Identifying Ocular Corrosives and Severe Irritants (BCOP), in vitro irritation score: 199.8. Under the conditions of the present study, it is inducing serious eye damage.

Respiratory or skin sensitization

In vivo skin sensitisation: OECD 429, mouse local lymph node assay (LLNA), CBA mouse, S.I.: <3, not sensitising

Germ cell mutagenicity

Bacterial Reverse Mutation Assay: OECD 471, S. typhimurium TA 1535, TA 1537, TA 98, TA 100 and E. coli WP2, negative.

Carcinogenicity

No data available

Reproductive toxicity

No data available

Summary of evaluation of the CMR properties

Not a CMR substance.

Specific target organ toxicity - single exposure (Globally Harmonized System)

No significant toxic effects were observed in acute oral tests.

Specific target organ toxicity - repeated exposure (Globally Harmonized System)

No data available

Aspiration hazard

No data available

11.2 Information on other hazards

11.2.1. Endocrine disrupting properties

No data available

11.2.2. Other information

No data available

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SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity****Acute toxicity:****Short-term toxicity:**

Fish: No data available

Aquatic invertebrates: OECD 202, Daphnia magna, semi-static freshwater, 48h-EC50: > 100 mg/L.

Aquatic algae and cyanobacteria: OECD 201, Pseudokirchneriella subcapitata, static freshwater, 72h-EC50: >100 mg/L; 72h-NOEC: >100 mg/L.

Long-term toxicity:

No data available.

12.2 Persistence and degradabilityReady biodegradability: OECD 301F, Manometric Respirometry Test, 28d, the degradation (O₂ consumption) is 99%, readily biodegradable**12.3 Bioaccumulative potential**

No data available.

12.4 Mobility in soil

No data available.

12.5 PBT and vPvB assessment

Not a PBT or vPvB substance.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATION**13.1 Waste treatment methods****Product**

Dispose in accordance with local/ regional/national/international regulations. Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose in accordance with local/ regional/national/international regulations. Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

SECTION 14: TRANSPROT INFORMATION**14.1 UN number:**

ADR/RID: - IMDG: - IATA: -

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14.2 UN proper shipping name

ADR/RID: Not dangerous goods.

IMDG: Not dangerous goods.

IATA: Not dangerous goods.

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user

Land transport: Not regulated

Sea transport: Not regulated

Air transport: Not regulated

Inland waterway transport: Not regulated

Rail transport: Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: REGULATORY INFORMATION

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

EU Regulations:

Authorisations and/or restrictions on use:

Authorisations: Not regulated

Restrictions on use: Not regulated

Other EU regulations:

Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline): Not regulated

National regulations:

Listing	Mandelic Acid
United States Toxic Substances Control Act (TSCA) Inventory	Listed
New Zealand Inventory of Chemicals (NZIoC)	Listed
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	Listed
Australian Inventory of Industrial Chemicals (AIIC)	Listed
Canada Domestic Substances List (DSL)	Listed
Canada Non-Domestic Substances List (NDSL)	Not Listed
Vietnam National Chemical Inventory (NCI)	Listed
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)	Listed
China Catalog of Hazardous chemicals 2015	Not Listed

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Korea Existing Chemicals List (KECL)

Listed

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION**Version information:**

Version 2.0: Updated in accordance with Regulation (EC) No.1907/2006 as amended by Regulation (EU) 2020/878, (EC) No.1272/2008. Add available data in SECTION 9, 11, 12 and 15.

Abbreviations and acronyms:

LD, lethal dose

EC, effect concentration

NOEC, no-observed-effect concentration

PBT, persistent, bioaccumulative, and toxic

vPvB, very persistent, very bioaccumulative

DNELs, Derived No Effect Levels

PNECs, Predicted No Effect Concentrations

ADR, European Agreement concerning the International Carriage of Dangerous Goods by Road

RID, Regulation concerning the International Carriage of Dangerous Goods by Rail

IMDG, International Maritime Dangerous Goods

IATA, International Air Transportation Association

Key literature references and sources for data**ECHA**

<https://echa.europa.eu/registration-dossier/-/registered-dossier/19362>

Disclaimer

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End of SDS