



杭州雷布科技有限公司

Hangzhou Reb Technology Co., Ltd.

Material Safety Data Sheet

Azelaic Acid MSDS

Section 1: Company Information

Company Name: Hangzhou Reb Technology Co,LTD

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Section 2: Chemical Product and Information on Ingredients

Product Name: Azelaic acid

Synonyms: Nonanedioic acid

Formula:C₉H₁₆O₄

Molecular Weight:188.22 g/mol

CAS#: 123-99-9

EC-No.: 204-669-1

Section 3: Hazards Identification

Potential Acute Health Effects:

Slightly hazardous in case of skin contact(irritant), of eye contact(irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Classified Development toxin

【None.】

Repeated or prolong exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Inhaled: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give

oxygen. Get medical attention.

Skin contact: Wash off with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.

Eye contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.

Serious Inhalation: Not available

Ingestion:

Do Not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available

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

Section 5: Fire-Fighting Measures

Flammable properties:

Flash point : 210 ° C (410 ° F) - closed cup

Ignition temperature: no data available

Products of Combustion: These products are carbon oxides(CO, CO2).

Fire Hazards in Presence of Various Substances: Slightly flammable to flammable in presence of heat.

Explosion Hazards in presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available

Fire Fighting Media and Instructions:

SMALL, FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available

Special Remarks on Explosion Hazards: Not available

Section 6: Accidental Release Measures

Small Spill:

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority Requirements.

Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system

Section 7: Handling and Storage

Precautions:

Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do you ingest, do not breathe dust. If ingested, seek medical advice immediate.

Storage:

Keep container tightly closed in a dry and well-ventilated place.

Keep in a dry place.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limit. If user operations generate dust, fume or mist, use ventilation to keep exposure to airbase contaminants below the exposure limit.

Section 9: Physical and Chemical Properties

Appearance

Form: powder

Colour: white to slightly yellow powder

Safety data

pH: No data available

Melting point: 104 - 109 °C (219 - 228 °F)

Boiling point: 286 .5 °C (547 .7°F) @ 100 mmHg ; 265 °C @ 50mmHg ; 237°C @ 15 mmHg; 225 °C @10 mmHg

Flash point: 210 °C (410 °F) - closed cup

Ignition temperature: No data available

Lower explosion limit: No data available

Upper explosion limit: No data available

Vapour pressure: < 1 hPa (< 1 mmHg) at 20 °C (68 °F)

Water/Oil Dist. Coeff : Not available

Lonicity(in water): Not available

Dispersion Properties: See solubility in water

PH(1% soln/water): Not available

Solubility:

Partially soluble in cold water. Solubility in water: 1 g/l @ 1 C ; 2.4 g/l @ 20 C ; 8.2 g/l @ 50 C ; 22 g/l @ 65 C

Section 10: Stability and Reactivity Data

Stability: stable

Instability Temperature: Not available.

Storage stability: Stable under recommended storage conditions.

Materials to avoid: Bases, Reducing agents, Oxidizing agents

Hazardous decomposition products:

Hazardous decomposition products formed under fire conditions. - Carbon oxides

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry : Dermal contact. Inhalation. Ingestion

Acute toxicity: LD50 Oral - rat - > 5,000 mg/kg

Chronic Effects on Humans : DEVELOPMENT TOXICITY: Classified Development toxin 【None. 】

Other Toxic Effects on Humans: Slight hazardous in case of skin contact(irritant), of ingestion, of inhalation.

Speical Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans :

Acute Potential Health Effects: Skin, May cause mild skin irritation. Eyes: May cause mild eye irritation. Inhalation: May cause respiratory tract irritation. Ingestion: May cause digestive tract irritation.

Section 12: Ecological Information

Elimination information (persistence and degradability): No data available

BOD5 and COD: Not available

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United Sates)

Identification: Not application

Special Provisions for Transport: Not applicable

Section 15: Other Regulatory Information

Federal and state Regulations: TSCA 8(b) inventory: Azelaic Acid

Other Regualtions: EINECS: This product is on the European Inventory of Existing Commercial Substances.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC):

This product is not classified according to the EU regulations. S24/25- Avoid contact with skin and eyes.

HMIS(U.S.A.):

Health Hazard: 1

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.)

Health: 1

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certificated respiration or equivalent

Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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