GREEN VALLEY LABORATORY

Safety Data Sheet

According to EC Regulations 1907/2006, 1272/2008, 830/2015 and 878/2020; meets GB-REACH SI 2019/758 and UK SI 2020/1577; GB-CLP SI 2019/720 and UK SI 2020/1567.

SECTION 1 - Identification

1.1 Product identifier

GHS Product Identifier	Azelaic Acid
INCI Name	Azelaic acid
Other name/Chemical name	1,7-Heptanedicarboxylic acid
CAS No.	123-99-9
EINECS No.	204-669-1

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

Identified use(s)	Cosmetic and personal care ingredient
Uses advised against	Other than identified

1.3 Details of the supplier of the Safety Data Sheet

Supplier Name	Green Valley Laboratory
Address	435 Hartford Pike, Killingly, CT 06241, USA
Contact	Help@dauphineorganics.com
Phone	n/a

1.4 Emergency telephone number

Emergency Phone No.	CHEMTREC Emergency Call Center +1 800-424-9300 (US & Canada) - +1 703-527-3887 (Europe)

SECTION 2 - Hazard Identification

2.1 Classification of the substance or mixture

Classification basis	Compliant for EC CLP and OSHA requirements
Regulation (EC) No. 1272/2008 (CLP) - Physical hazards	Not classified
Regulation (EC) No. 1272/2008 (CLP) - Human health	Skin Irrit. 2, H315; Eye Irrit. 2, H319
Regulation (EC) No. 1272/2008 (CLP) - Environment	Not classified

2.2 Label elements

Basis	According to Regulation (EC) No. 1272/2008 (CLP)
GHS Product Identifier	EC 204-669-1
Hazard Pictogram	
Signal word(s)	WARNING

Hazard statement(s)	H315 Causes skin irritation. H319 Causes serious eye irritation.

Precautionary statement(s)

P264: Wash skin thoroughly after handling.
P280: Wear protective gloves/ eye protection/ face protection.
P302 + P352: IF ON SKIN: Wash with plenty of water.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313: If skin irritation occurs: Get medical advice/ attention.
P337 + P313: If eye irritation persists: Get medical advice / attention.

2.3 Other hazards	None identified
2.4 Additional Information	None identified

SECTION 3 - Composition / Information on Ingredients

3.1 Substances - EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	EC No.	CAS No.	Hazard pictogram(s) and Hazard statement(s)
Azelaic acid	>98	204-669-1	123-99-9	GHS 07; H315, H319

3.2 Mixtures

3.3 Additional Information

For full text of H/P phrases see section 16.

SECTION 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation	IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Seek medical treatment.
Skin Contact	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of soap and water.
Eye Contact	Immediately flush eyes for at least 15 minutes. Irrigate eyes thoroughly whilst lifting eyelids.
Ingestion	IF SWALLOWED: Do not induce vomiting; wash out mouth with water. Seek medical treatment.

4.2 Most important symptoms and effects, both acute and delayed

Product dust irritates eyes

4.3 Indication of immediate medical attention and special treatment needed

Get medical advice/attention if you feel unwell. If eye irritation persists, get medical advice/attention.

SECTION 5 - Fire Fighting Measures

5.1 Extinguishing Media

Suitable Extinguishing Media	In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide.
Unsuitable Extinguishing Media	None

5.2 Special hazards arising from the substance or mixture

May give off noxious and toxic fumes in a fire.

5.3 Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

SECTION 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures	Use personal protective equipment as required. Avoid inhalation of vapours.

6.2 Environmental precautions	In case of fire, stop leak if safe to do so. Do not allow to enter drains, sewers or watercourses.
6.3 Methods and material for containment and cleaning up	Collect as much as possible in clean container for reuse or disposal.
6.4 Reference to other sections	Wear protective clothing as per section 8.
6.5 Additional Information	

SECTION 7 - Handling and Storage

7.1 Precautions for safe handling	Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures.
7.2 Storage Temperature	Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources. Store in a tightly closed container. Protect from sunlight.
7.2 Storage Life	Refer to container labels.
7.2 Incompatible materials	Incompatible with strong oxidizing substances.
7.3 Specific end use(s)	Cosmetics, personal care products

SECTION 8 - Exposure Controls / Personal Protection

8.1 Control parameters

8.1.1 Occupational Exposure Limits

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m3)	STEL (ppm)	STEL (mg/m3)	AGW (Germany)

8.1.2 Biological limit value	No data.
8.1.3 PNECs and DNELs	No data.

8.2 Exposure controls

8.2.1 Appropriate engineering controls	Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures. Use good personal hygiene practices.
8.2.2 Eye/face protection	Wear protective eyewear (goggles, face shield, or safety glasses).
8.2.2 Skin protection (Hand protection/Other)	Wear suitable protective clothing and gloves. Impervious gloves (EN 374).
8.2.2 Respiratory protection	Wear suitable respiratory protective equipment.
8.2.2 Thermal hazards	None known
8.2.3 Environmental Exposure Controls	

SECTION 9 - Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	Fine Powder
Colour	White
Odour	Characteristic
Odour Threshold (ppm)	Not determined
pH (Value)	Not determined
Refractive Index	Not applicable
Melting point (°C)	102-110 °C
Flash Point (°C)	Not applicable
Flammability (solid, gas)	Not determined

Explosive limit ranges	Not determined
Vapour Pressure (mm Hg)	< 0.1 hPa at 25 °C
Vapour Density (Air=1)	Not determined
Density (g/ml)	Not determined
Solubility (Water)	2400 mg/l at 20 °C
pKa	Not determined
Partition Coefficient (n-Octanol/water)	1.57 at 25 °C
Auto Ignition Temperature (°C)	Not determined
Decomposition Temperature (°C)	Not determined
Viscosity (mPa.s)	Not determined
Explosive properties	Not determined
Oxidising properties	Not determined

9.2 Other information

Mol. Formula: C9H16O4 Mol Wt: 188.2214

SECTION 10 - Stability and Reactivity

10.1 Reactivity	None known.
10.2 Chemical stability	Stable at ambient temperatures.
10.3 Possibility of hazardous reactions	No hazardous reactions known if used for its intended purpose.
10.4 Conditions to avoid	Keep away from oxidisers, heat, flames or ignition sources.
10.5 Incompatible materials	Avoid contact with oxidising substances.
10.6 Hazardous Decomposition Product(s)	Reaction products may include toxic gases.

SECTION 11 - Toxicological Information

11.1 Information on toxicological effects

11.1.1 Substances - Acute toxicity

Ingestion	LD50: > 2000 mg/kg (oral rat)
Inhalation	No Data
Skin Contact	LD50 (Skin, Rabbit): > 2000 mg/kg
Eye Contact	No data
Skin corrosion/irritation	Rabbit (4h) OECD 404: Irritating to skin
Serious eye damage/irritation	Rabbit: Causes serious eye irritation
Respiratory or skin sensitization	Guinea Pig: Non-sensitizing
Mutagenicity	Based on available data the classification criteria are not met
Carcinogenicity	Based on available data the classification criteria are not met
Reproductive toxicity	Based on available data the classification criteria are not met
STOT - single exposure	Based on available data the classification criteria are not met
STOT - repeated exposure	Based on available data the classification criteria are not met
Aspiration hazard	Based on available data the classification criteria are not met

11.1.2 Mixtures

11.2 Other information

RTECS: CM1980000

SECTION 12 - Ecological Information

12.1 Toxicity	LC50 - Oryzias latipes - > 16 mg/l - 96 h (OECD 203) EC50 - Daphnia magna (Water flea) - > 20 mg/l - 48 h (OECD 202) ErC50 - (green algae) - > 67 mg/l - 72 h (OECD Test Guideline 201)
12.2 Persistence and degradability	Aerobic 1d 79-89% Readily biodegradable. (OECD guideline 301E)
12.3 Bioaccumulative potential	Danio rerio (zebra fish) - 28 d at 21.5 °C - 2 mg/l (Azelaic acid) (BCF): 234 - 249 (OECD Test Guideline 305)
12.4 Mobility in soil	No data
12.5 Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6 Other adverse effects	Not known

SECTION 13 - Disposal Considerations

13.1 Waste treatment methods	Dispose of contents in accordance with local, state or national legislation. Normal disposal is via incineration operated by an accredited disposal contractor.
13.2 Additional Information	Absorb spillage in suitable inert material. Collect as much as possible in clean container for reuse or disposal.

SECTION 14 - Transport Information

14.1 Land transport (ADR/RID)

UN number	Product is not classified hazardous for transport
Proper Shipping Name	
Transport hazard class(es)	
Packing Group	
Hazard label(s)	
Environmental hazards	
Special precautions for user	

14.2 Sea transport (IMDG)

UN number	Product is not classified hazardous for transport
Proper Shipping Name	
Transport hazard class(es)	
Packing Group	
Marine Pollutant	
Special precautions for user	

14.3 Air transport (ICAO/IATA)

UN number	Product is not classified hazardous for transport
Proper Shipping Name	
Transport hazard class(es)	
Packing Group	
Environmental hazards	
Special precautions for user	

14.4 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

SECTION 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP), EC 453/2010, 830/2015 and 878/2020.
15.1.1 EU regulations - Authorisations and/or restrictions on use	Not subject to international restrictions.
15.1.2 National regulations	Meets GB-REACH: SI 2019/758 and UK SI 2020/1577; GB-CLP: SI 2019/720 and UK SI 2020/1567.
15.2 Chemical Safety Assessment	A REACH chemical safety assessment has not been carried out.

SECTION 16 - Other Information

References

1. https://echa.europa.eu/registration-dossier/-/registered-dossier/13411

Hazard statement(s) and Precautionary statement(s)

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Source document control

Source SDS revision	2.2
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DISCLAIMER

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Green Valley Laboratory I 435 Hartford Pike, Killingly, CT 06241, USA I Help@dauphineorganics.com