



Safety Data Sheet

According to Regulation (EC) No 1907/2006, Annex II,

Amended by COMMISSION REGULATION (EU) 2020/878

According to REGULATION (EC) No 1272/2008

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

1.1 Product identifier:

Identification on the label/Trade name: Inositol

Identification of the product: CAS#87-89-8; EC#201-781-2

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

1.2.1 Identified uses:

Not available.

1.2.2 Uses advised against:

Not available.

1.3 Details of the supplier of the safety data sheet:

Supplier(Manufacturer): Anhui Huaheng Biotechnology Co.,Ltd

Address: No.32, FengjinRoad, Shuangfeng Industrial Park, Hefei, Anhui, CHINA

Telephone: +86-0551-64219588

Fax: +86-0551-65689468

E-mail: andrew.w@ehuaheng.com

1.4 Emergency telephone Number:

Emergency telephone Number (Supplier): (86) (551) (4217678)

Section 2: Hazards Identification

Classification

Product Name: I n o s i t o l

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2.1 Classification of the substance or mixture:

The substance is classified as following according to REGULATION(EC) No 1272/2008:

REGULATION(EC) No 1272/2008:	
Hazard classes/Hazard categories	Hazard codes
Eye Irrit.2	H319

For full text of H-phrases:see section 2.2.

2.2 label elements:

Hazard Pictogram(s):



Signal Word(s):

warning.

Hazard Statement(s):

H319: Causes serious eye irritation.

Precautionary statement:(s):

P264 :Wash thoroughly after handling.

P280 :Wear eye protection.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

2.3 Other hazards:

There are no other hazards not otherwise classified that have been identified.

Section 3: Composition/information on ingredients

Substance/Mixture:	Substance
Chemical Name:	I n o s i t o
Registration No.:	IN/A
CAS No.:	87-89-8
EC No.:	201-781-2

Section 4: First aid measures

4.1 Description of first aid measures:

No hazards which require special first aid measures. In all cases of doubt, or when symptoms persist, seek medical attention.

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4.1.1 In case of inhalation:

Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.

If symptoms persist, call a physician.

4.1.2 In case of skin contact:

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.

4.1.3 In case of eyes contact:

Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing.

4.1.4 In case of ingestion:

Clean mouth with water and drink afterwards plenty of water. Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

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

The product is not classified as harmful to human health effect.

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

If skin irritation or rash occurs, get medical advice/attention.

Section 5: Firefighting measures

5.1 Extinguishing media:

5.1.1 Suitable extinguishing media:

Water spray; Dry powder; Alcohol-resistant foam; Dry chemical-Alcohol-resistant foam.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.1.2 Unsuitable extinguishing media:

Not available.

5.2 Special hazards arising from the substance or mixture

May form combustible dust concentrations in air.

5.3 Advice for firefighters:

In the event of fire, 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:

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Use personal protective equipment. Ensure adequate ventilation.

6.1.2 For emergency responders:

Wear self-contained breathing apparatus.

6.2 Environmental Precautions:

Try to prevent the material from entering drains or water courses.

No special environmental precautions required.

6.3 Methods and material for Containment and Cleaning up:

Keep in suitable, closed containers for disposal.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

Section 7: Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures:

Provide sufficient air exchange and/or exhaust in work rooms. Avoid contact with skin and eyes. Take precautionary measures against static discharges. Avoid formation of respirable particles.

7.1.2 Advice on general occupational hygiene:

Not to eat, drink and smoke in work areas; To wash hands after use; and to remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

Protect from humidity. Keep container tightly closed and dry.

7.3 Specific end use(s):

No relevant information available.

Section 8: Exposure controls/personal protection

8.1 Control parameters:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls:

Keep in suitable, closed containers for disposal.

8.2.2 Individual protection measures, such as personal protective equipment:

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Eye/face protection: Safety glasses.

Hand protection: Glove material: for example nitrile rubber; Consider the hazard characteristics of this product and any special workplace conditions when selecting the appropriate type of protective gloves.

Body protection: Protective suit.

Respiratory protection: No personal respiratory protective equipment normally required.

Thermal hazards: No data available

8.2.3 Environmental exposure controls:

Avoid discharge into the environment.

According to local regulations, Federal and official regulations.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Crystalline powder
Colour:	White
Odour:	Odorless , Sweet
Odour threshold:	Not available
Melting point:	224°C - 227°C
Boiling point:	Not available
Flammability:	Not flammable
Lower and upper explosion limit:	Not available
Flash point (°C):	Not available
PH:	Not determined
Solubility in water:	Soluble
Partition coefficient:	Not measurable
Density and/or relative density:	Not determined
Particle characteristics:	Not available

9.2 Other information:

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Explosive properties:	Not available
Oxidation properties	Not available
Surface tension:	Not available
Molecular Formula:	C ₆ H ₁₂ O ₆
Molecular Weight:	180.156

Section 10: Stability and reactivity

10.1 Reactivity:

No hazardous reactions under recommended storage conditions.

10.2 Chemical stability:

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions:

No hazardous reactions under recommended storage conditions.

10.4 Conditions to avoid:

Prevent formation of dust.

Excessive heat.

10.5 Incompatible materials:

Oxidizing agents.

10.6 Hazardous decomposition products:

Under fire conditions only:

Carbon monoxide and carbon dioxide .

Section 11: Toxicological information

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

Acute toxicity:

LD50(Oral, Rat): 3500 mg/kg bw.

LD50(Dermal, Rabbit): > 20000 mg/kg bw.

LC50(Inhalation,Rat): >1.306mg/L air (analytical) 4h

Skin corrosion/ irritation:

Non-irritant (Rabbit).

Serious eye damage/irritation:

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Non-irritant (Rabbit).

Respiratory or skin sensitization:

Respiratory sensitisation: No study available.

Skin sensitization: No adverse effect observed, not sensitising (guinea pig).

Germ cell mutagenicity:

No mutagenic activity (Chinese Hamster V79 cells).

Carcinogenicity:

No clastogenic activity (Human lymphocytes).

Reproductive toxicity:

No adverse effect observed (Oral, Rat)

STOT-single exposure:

No adverse effects.

STOT-repeated exposure:

No adverse effects for 90 days (Oral, Rat).

Aspiration hazard:

No adverse effects.

11.2 Information on other hazards

No study available.

Section 12: Ecological information

12.1 Toxicity

Acute (short-term) toxicity:

EC50 (96 h, fish): > 10000 mg/L.

EC50(48 h, aquatic invertebrates): >100 mg/L.

EC50(72h, aquatic algae and cyanobacteria): >100 mg/L.

EC50(17h, aquatic algae and cyanobacteria): > 10000 mg/L.

EC20 (30 min): > 800 mg/L (Test for Inhibition of Oxygen Consumption by Activated Sludge).

Chronic (long-term) toxicity:

NOEC(aquatic invertebrates):>=100 mg/L.

12.4 Mobility in soil

Adsorption to solid soil phase is not expected.

12.5 Results of PBT and vPvB assessment

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT(persistent/ bioaccumulative/toxic) criteria or the vPvB(very persistent/very bioaccumulative) criteria. Self classification.

12.6 Endocrine disrupting properties

No study available.

12.7 Other adverse effects

No study available.

Section 13: Disposal considerations

13.1 Waste treatment method

Any relevant Union provisions relating to waste or, in their absence, any relevant national or regional provisions in force shall be referred to.

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14: Transport information

	Land transport (ADR/RID)	Inland waterways (ADN)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number	Not regulated	Not regulated	Not regulated	Not regulated
UN Proper shipping name	Not regulated	Not regulated	Not regulated	Not regulated
Transport hazard Class(es)	Not regulated	Not regulated	Not regulated	Not regulated
Packing group	Not regulated	Not regulated	Not regulated	Not regulated
Environmental hazards	No	No	No	No
Special precautions for user	See section 2.2	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to Annex II of MARPOL and the IBC Code	Not regulated	Not regulated	Not regulated	Not regulated

Section 15: Regulatory information

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

Relevant information regarding authorization:

Not applicable.

Relevant information regarding restriction:

Not applicable.

Other EU regulations:

Not applicable.

Other National regulations:

Not applicable.

15.2 Chemical safety assessment

Not required.

Section 16: Other information

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the use.

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