

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: β -Alanine

Identification of the product: CAS#107-95-9

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: +86-0551-65689170

Fax: +86-0551-64219588

1.4 Emergency telephone Number:

Emergency telephone Number (Supplier): +86-0551-65689170

Section 2: Hazards Identification

2.1 Classification of the substance or mixture:

Not classified for self classification according to Regulation (EC) No 1272/2008

2.2 label elements:

Hazard Pictogram(s):	No hazard pictogram is used.
Signal Word(s):	No signal word is used.
Hazard Statement(s):	Not applicable.
Precautionary statement(s):	Not applicable.

2.3 Other hazards:

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

Section 3: Composition/information

Substance/Mixture:	Substance
Chemical Name:	β -Alanine
Registration No.:	N/A
CAS No.:	107-95-9
EC No.:	203-536-5

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.

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. 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:

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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 Foam Carbon dioxide (CO₂) Dry powder.

5.1.2 Unsuitable extinguishing media:

For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides (NO_x) Combustible.

Development of hazardous combustion gases or vapours possible in the event of fire.

5.3 Advice for firefighters:

In the event of fire, wear self-contained breathing apparatus.

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection see section 8..

6.2 Environmental Precautions:

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

6.3 Methods and material for Containment and Cleaning up:

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4 Reference to other sections:

For disposal see section 13.

Section 7: Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures:

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For personal protection see section 8. No special handling advice required.

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:

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

7.3 Specific end use(s):

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

Section 8: Exposure controls/personal protection

8.1 Control parameters:

Components with workplace control parameters: Contains no substances with occupational exposure limit values.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls:

Change contaminated clothing. Wash hands after working with substance..

8.2.2 Individual protection measures, such as personal protective equipment:

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:

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

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	Crystal Powder
Colour:	No data available
Odour:	No data available

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Odour threshold:	No data available
Melting point:	198°C
Boiling point:	No data available
Flammability:	No data available
Lower and upper explosion limit:	No data available
Flash point (°C):	No data available
Decomposition temperature:	No data available
PH:	6.0 - 7.5
Solubility in water:	89.09 g/l at 20 °C
Partition coefficient	
n-octanol/water (log value):	log Pow: -3.05 - Bioaccumulation is not expected.
Vapour pressure:	No data available
Density and/or relative density:	No data available
Relative vapour density:	No data available
Particle characteristics:	No data available

9.2 Other information:

Explosive properties:	No data available
Oxidation properties	No data available
Dissociation constant:	No data available
Molecular Formula:	$C_3H_7NO_2$
Molecular Weight:	89.09

Section 10: Stability and reactivity

10.1 Reactivity:

No data available.

10.2 Chemical stability:

The product is chemically stable under standard ambient conditions (room temperature) .

10.3 Possibility of hazardous reactions:

Violent reactions possible with: Strong oxidizing agents.

10.4 Conditions to avoid:

No data available.

10.5 Incompatible materials:

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Strong oxidizing agents.

10.6 Hazardous decomposition products:

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NO_x).

Other decomposition products - No data available In the event of fire: see section 5.

Section 11: Toxicological information

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

Acute toxicity:

LD50 Oral - Rat - male and female - > 5,000 mg/kg Remarks

Skin corrosion/ irritation:

Skin - Rabbit

Result: No skin irritation - 4 h

Serious eye damage/irritation:

Eyes - Rabbit

Result: No eye irritation

Respiratory or skin sensitization:

No data available.

Germ cell mutagenicity:

Ames test

Escherichia coli/Salmonella typhimurium Result: negative

Chromosome aberration test in vitro Chinese hamster fibroblasts

Result: negative.

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity:

No data available

STOT-single exposure:

No data available

STOT-repeated exposure:

No data available.

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Aspiration hazard:

No data available

11.2 Information on other hazards

No data available.

Section 12: Ecological information**12.1 Toxicity**

Toxicity to fish

semi-static test LC50 - *Oncorhynchus mykiss* (rainbow trout) - > 100 mg/l - 96 h

Toxicity to daphnia static test EC50 - *Daphnia magna* (Water flea) - > 100 mg/l - 48 h

and other aquatic invertebrates

Toxicity to algae

static test ErC50 - *Desmodesmus subspicatus* (green algae) - > 100 mg/l - 72 h

12.2 Persistence and degradability

Biodegradability aerobic - Exposure time 14 d

Result: 87 % - Readily biodegradable.

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data 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.

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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 user.

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