



CJ Haide (Ningbo) Biotech Co., Ltd.
#799 Feng xiang Rd, Xiepu,
Zhenhai, Ningbo 315204 China
Tel. : +86 574 8628 0520
Fax. : +86 574 8625 1777

Safety Data Sheet

N-Acetyl-L-Cysteine

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers

Product name : N-Acetyl-L-Cysteine
CAS-No. : 616-91-1

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

Identified uses : Laboratory chemicals, Manufacture of substances

1.3 Details of the Manufacturer/Supplier

Company Name/address : CJ HAIDE(NINGBO)BIOTECH CO., Ltd
#799 Fengxiang Rd, Xiepu, Zhenhai,
Ningbo, China
Telephone : +86 574-86251555
Website : www.cjhaidebio.com

1.4 Emergency telephone number

Emergency Phone # : +86 574-86251555

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

2.2 Label elements

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

2.3 Other hazards

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms : N-Acetyl-3-Mercaptoalanine
Formula : C₅H₉NO₃S
Molecular weight : 163,19 g/mol
CAS-No. : 616-91-1

No components need to be disclosed according to the applicable regulations.

4. FIRST AND MEASURES

4.1 Description of first aid measures

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.



CJ Haide (Ningbo) Biotech Co., Ltd.
#799 Feng xiang Rd, Xiepu,
Zhenhai, Ningbo 315204 China
Tel. : +86 574 8628 0520
Fax. : +86 574 8625 1777

If swallowed

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

- 4.2 If symptoms persist, consult a doctor. Most important symptoms and effects, both acute and delayed**
Nausea, Vomiting, Stomach/intestinal disorders
- 4.3 Indication of any immediate medical attention and special treatment needed**
no data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides

5.3 Advice for firefighters

Special protective equipment for fire-fighting

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

5.4 Further information

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

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapours, mist or gas.

6.2 Environmental precautions

Do not let product enter drains..

6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

Normal measure for preventive fire protection.

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 and use(s)

No date available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

8.2 Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment



CJ Haide (Ningbo) Biotech Co., Ltd.

#799 Feng xiang Rd, Xiepu,
Zhenhai, Ningbo 315204 China
Tel. : +86 574 8628 0520
Fax. : +86 574 8625 1777

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Required when dust are generated.

Recommended Filter type: Filter P1 (acc. to DIN 3181) for solid particles of inert substances.

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Control of environmental exposure

Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance	Form: crystal or crystalline powder Color: white or almost white
b) Odour	No data available
c) Odour Threshold	No data available
d) pH	2.0 – 2.8
e) Melting point/freezing point	106 – 108 deg C
f) Initial boiling point and boiling range	No data available
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapour pressure	No data available
l) Vapour density	No data available
m) Relative density	No data available



CJ Haide (Ningbo) Biotech Co., Ltd.

#799 Feng xiang Rd, Xiepu,
Zhenhai, Ningbo 315204 China
Tel. : +86 574 8628 0520
Fax. : +86 574 8625 1777

n)	Water solubility	Freely soluble
o)	Partition coefficient: n-octanol/water	No data available
p)	Autoignition temperature	No data available
q)	Decomposition temperature	No data available
r)	Viscosity	No data available
s)	Explosive properties	No data available
t)	Oxidizing properties	No data available

9.2 Other safety information

No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

The following applies in general to flammable organic substances and preparations: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

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:
Oxidizing agents

10.4 Conditions to avoid

High temperatures, incompatible materials, dust generation, excess heat

10.5 Incompatible materials

Heavy metals, Heavy metal salts, strong oxidizers.

10.6 Hazardous decomposition products

Carbon monoxide, oxides of nitrogen, oxides of sulfur, irritating and toxic fumes and gases, carbon dioxide

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

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.



CJ Haide (Ningbo) Biotech Co., Ltd.
#799 Feng xiang Rd, Xiepu,
Zhenhai, Ningbo 315204 China
Tel. : +86 574 8628 0520
Fax. : +86 574 8625 1777

Reproductive toxicity

No data available

Teratogenicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

RTECS: Not available

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

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

Additional ecological information

Do not allow to run into surface waters, wastewater, or soil.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

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

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

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: -



CJ Haide (Ningbo) Biotech Co., Ltd.

#799 Feng xiang Rd, Xiepu,
Zhenhai, Ningbo 315204 China
Tel. : +86 574 8628 0520
Fax. : +86 574 8625 1777

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

No data available

15. REGULATORY INFORMATION

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

16. OTHER INFORMATION

Last Updated: 01/01/2019

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. CJ HAIDE(NINGBO)BIOTECH CO., Ltd and its affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.