



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

L-Tyrosine

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

Product identifiers

Product name : L-Tyrosine
CAS-No. : 60-18-4

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

Identified uses : Laboratory chemicals, Manufacture of substances

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

Emergency telephone number

Emergency Phone # : +86 574-86251555

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

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

Label elements

No required Label elements according to Regulation(EC) No.1272/2008(CLP).

Other hazards

None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Synonyms : (2R)-2-amino-3-(4-hydroxyphenyl)propanoic acid
Formula : C₉H₁₁NO₃
Molecular weight : 181.19g/mol
CAS-No. : 60-18-4
EC-No. : 200-460-4

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

4. FIRST AID MEASURES

Description of first aid measures

If inhaled

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.



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

In case of skin contact

Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

In case of eye contact

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

If swallowed

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

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

Indication of any immediate medical attention and special treatment needed

No data available

5. FIREFIGHTING MEASURES

Extinguishing media Suitable

extinguishing media

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

Special hazards arising from the substance or mixture

In case of fire, the following can be released.

Carbon oxides, Nitrogen oxides (NO_x), Hydrogen chloride gas.

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

No data available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

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

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

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

Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities

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



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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Components with workplace control parameters

Exposure controls

Appropriate engineering controls

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Use adequate ventilation to keep airborne concentrations low.

Personal protective equipment

Eyeface protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin & Body protection

Wear appropriate protective gloves to prevent skin exposure.

Respiratory protection

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

a)	Appearance	From : Crystalline powder Color: colorless or white
b)	Odour	No data available
c)	Odour Threshold	No data available
d)	pH	No data available
e)	Melting point/freezing point	290-295 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

**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

l)	Vapour density	No data available
m)	Relative density	1.3400 g/cm ³
n)	Water solubility	Slightly soluble.
o)	Partition coefficient: n-octanol/water	No data available
p)	Autoignition temperature	No data available
q)	Decomposition temperature	295 deg C
r)	Viscosity	No data available
s)	Explosive properties	No data available
t)	Oxidizing properties	No data available

Other safety information

No data available

10. STABILITY AND REACTIVITY**Reactivity**

No data available

Chemical stability

Stable under normal temperatures and pressures.

Possibility of hazardous reactions

No data available

Conditions to avoid

Incompatible materials, dust generation, excess heat.

Incompatible materials

Strong oxidizing agents

Hazardous decomposition products

Other decomposition products - No data available

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

11. TOXICOLOGICAL INFORMATION**Information on toxicological effects****Acute toxicity**

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation



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

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.

Reproductive toxicity

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

Potential health effects

Inhalation	May be harmful if inhaled. May cause respiratory irritation.
Ingestion	May cause respiratory irritation.
Eyes	May Cause serious eye irritation.
Skin	May Cause skin irritation.

Additional Information

RTECS: Not available

12. ECOLOGICAL INFORMATION

Toxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

No data available

Other adverse effects

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

13. DISPOSAL CONSIDERATIONS

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

UN number

ADR/RID: -

IMDG: -

IATA: -

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: -

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

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1272/2008

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

16. OTHER INFORMATION

Last Updated: 03/27/2020

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 (NINBO) and its affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.