

DATE UPDATED: 06/19/25

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name: (2S,3S)-2-Hydroxy-3-methylpentanoic acid

Catalog No.:

CAS registry No.: 51576-04-6

1.2 Manufacturer

Tyger Scientific Inc.

324 Stokes Ave

Ewing, NJ 08638

Telephone: 609-434-0144

Fax: 609-434-0143

1.3 Emergency telephone number

Emergency Phone #: 1-888-239-8990, or 1- 609-865-5071

2. HAZARDS IDENTIFICATION

2.1 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

2.2 Classification of the substance or mixture

Not a hazardous substance or mixture.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Chemical Name: (2S,3S)-2-Hydroxy-3-methylpentanoic acid

CAS registry No.: 51576-04-6

Concentration: <=100%

4. FIRST AID MEASURES

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

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.

If swallowed

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

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIREFIGHTING MESURES

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

Carbon oxides

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors, mist or gas.

6.2 Environmental precautions

No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

No data available

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

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

7.3 Specific end use(s)

No data available

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards.

Skin protection

Handle with gloves.

Control of environmental exposure

No special environmental precautions required.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance Form:	Light yellow solid
b) Odor	No data available
c) Odor Threshold	No data available
d) pH:	No data available
e) Melting point/freezing point range:	No data available
f) Initial boiling point and boiling range:	No data available
g) Flash point:	No data available
h) Evaporation rate:	No data available
i) Flammability:	No data available

j) Vapor density:	No data available
k) Water solubility:	No data available
l) Auto-ignition temperature:	No data available
m) Relative density	No data available
n) Water solubility	No data available
o) Partition coefficient: n-octanol/water	No data available
p) Auto-ignition 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

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Other decomposition products - No data available

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

No data available

corrosion/irritation

No data available **Serious eye damage/eye irritation**

No data available

Respiratory or skin sensitization

No data available

Carcinogenicity

No data available

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

Additional Information

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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

No data available

13 DISPOSAL CONSIDERATIONS

Product

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

Contaminated packaging

Dispose of as unused product.

14 TRANSPORT INFORMATION

DOT (US): No data available

IMDG: No data available

IATA: No data available

15 REGULATORY INFORMATION

United States Regulatory Information: No data available

European Information: No data available

16 OTHER INFORMATION

The above information is believed to be correct but does not claim to be all-inclusive and shall be used only as a guide for the safe handling, storage, and use of the substance. It is not a specification nor does it guarantee any specific properties. Tyger Scientific Inc. shall not be held liable for any loss, injury, or damage resulting from handling or from contact with the above product. See invoice or packing slip for additional terms and conditions of sale.