



开原亨泰营养科技有限公司

Kaiyuan Hengtai Nutrition Co., Ltd.

Safety Data Sheet

Section1. Identification of the substance/preparation and of the company/undertaking

1.1. Product identifier

Product name: L-Carnitine
CAS 541-15-1
EINECS number 208-768-0
Product code: 101001
Synonyms: (R)-(3-carboxy-2-hydroxypropyl)trimethylammonium hydroxide

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

As supplement for application in food, feed and pharmaceuticals

1.3. Details of the supplier of the safety data sheet

Manufacturer
KAIYUAN HENGTAI NUTRITION CO., LTD.
No.18, Yihe Road, Kaiyuan City, Liaoning Province, China 112300
Tel: +86-24-73710986
Fax: +86-24-73722309

1.4.Emergency telephone number

Emergency tel: +86-24-25520838

Section 2. Hazards identification

2.1.Classification of the substance or mixture

Hazard Statement Code(s)	Phrase
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Company add.: No.18, Yihe road, Kaiyuan city, Liaoning province, China 112300

Tel: 86-24-73710986 Fax: 86-24-74330516

Office add.:Room 413, No. 72 Jianshe East road, Tiexi district, Shenyang city, Liaoning province, China 110021

Sales Tel:13609818883 Service Tel:86-24-25520838 Techsupport Tel:86-24-25510805 Fax:86-24-25524770

Http://www.hengtaichem.com E-mail: sales@hengtaichem.com

2.2 Label elements

Not available.

2.3 Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3. Composition/information on ingredients

3.1 Substances

Chemical identity:	L-Carnitine
CAS number	541-15-1
EINECS number	208-768-0

Section 4. First aid measures

4.1 Description of first aid measures

Skin contact:	Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
Eye contact:	Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion:	Wash out mouth with water. Consult a doctor.
Inhalation:	Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

Skin contact:	There may be irritation and redness at the site of contact.
Eye contact:	There may be irritation and redness. The eyes may water profusely.
Ingestion:	There may be soreness and redness of the mouth and throat.
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

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

None

Section 5. Fire-fighting measures

5.1 Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not create dust.

6.2. Environmental precautions

Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS. Refer to section 13 of SDS.

Section 7. Handling and storage

7.1. Precautions for safe handling



Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.

Do not handle in a confined space. Avoid the formation or spread of dust in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in well ventilated area. Keep container tightly closed.

7.3. Specific end use(s)

Specific end use(s): No special requirement.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits: No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protective device with particle filter.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Environmental: Refer to specific Member State legislation for requirements under Community environmental legislation.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	White crystalline or crystalline powder
Odor	None reported
pH	6.5~8.5
Melting point /freezing point	208° C~212° C
Initial boiling point	No data available



and boiling range

Flash point No data available

Evaporation rate No data available

Flammability (solid, gas) No data available

Upper/lower flammability No data available

or explosice limits

Vapor pressure No data available

Vapor density No data available

Relative density No data available

Solubility Soluble in water

Partition coefficient: n-octanol/water No data available

Auto-ignition temperature No data available

Decomposition temperature No data available

Vixcosity No data available

9.2 Other information

No data available

Section 10. Stability and reactivity

10.1. Reactivity

Stable under recommended transport or storage conditions.

10.2. Chemical

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not available

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidizing agents. Strong acids.

10.6. Hazardous decomposition products

No available

Section 11. Toxicological information

11.1 Information on toxicological effects.

No data available.

Section 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

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Negligible ecotoxicity.



Section 13. Disposal considerations

13.1. Waste treatment methods

Product

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

Section 14. Transport information

Transport class: This product does not require a classification for transport.

Section 15. Regulatory information

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

Not available

15.2. Chemical Safety Assessment

Not available

Section 16. Other information

The information given is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.

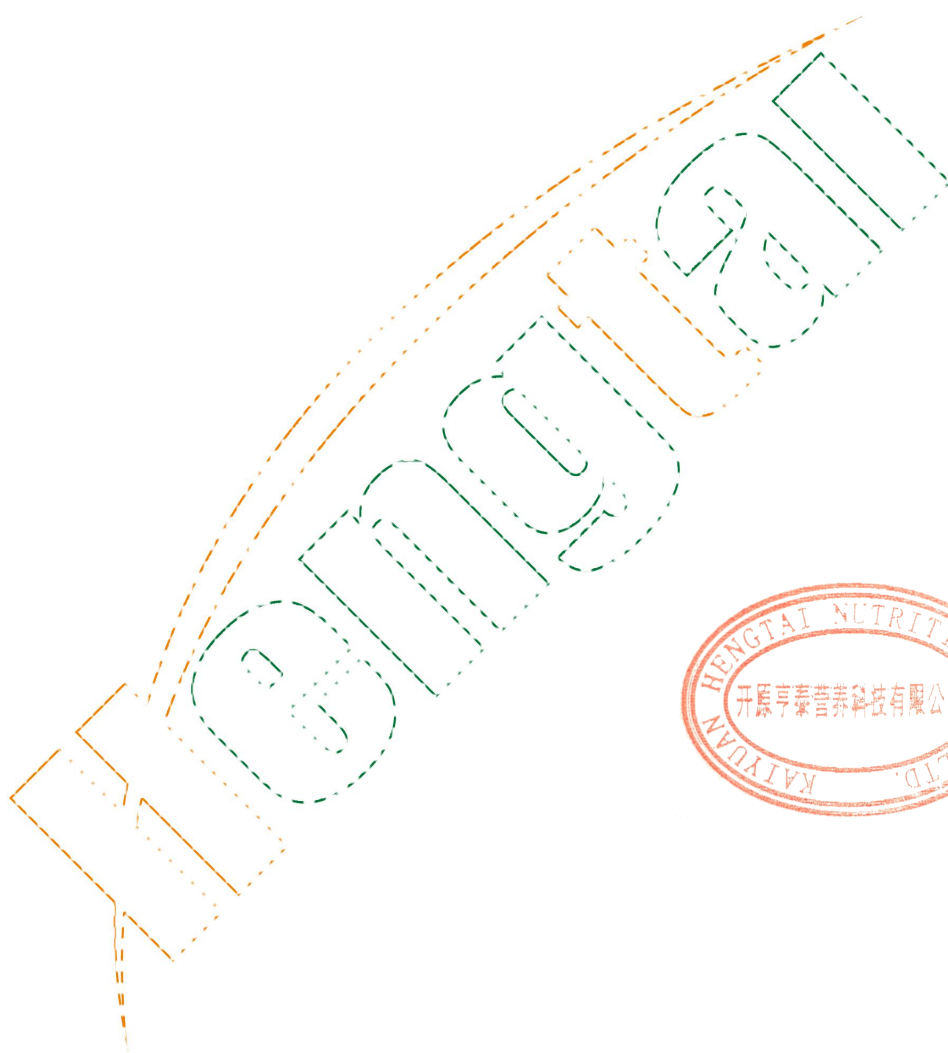
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