

Safety Data Sheets

According to OSHA Standard 29 CFR 1910

L-5-Methyltetrahydrofolate Calcium

Section 1: Identification

1.1 Product identifier

Product Name	5-Methyltetrahydrofolate calcium (L-5- MTHF-Ca); L-5-Methyltetrahydrofolate Calcium
Chemical Name	(6S)-5-Methyl-5 ,6,7,8-tetrahydropteroyl-L-glutamic acid,calcium salt;
Chemical Formula	C ₂₀ H ₂₃ CaN ₇ O ₆
Chemical Family	Folic acid derivative
Category	Special dietary supplement for folic acid fortification
CAS NO.	151533-22-1

1.2 Details of the supplier of the SDS

Supplier	Lianyungang Leading chemical and trading Co., ltd.
Manufacturer site	Building 3, xingang international, NO.178,xinxin Road, haizhou district, lianyungang city, jiangsu province,China 222002
Emergency call	+86-18115203916
Website	www.leadingchemical.com
Revision Date	18/07/2020

1.3 Relevant recommended uses of the substance or mixture and restriction on use

Recommended uses	Dietary supplement
Restriction on use	No Restriction on use

Section 2: Hazards identification

2.1 Product identifier

This product is not considered to be a hazardous under OSHA Standard 29 CFR 1910

2.2 Label elements

This product is no label elements are classified under OSHA Standard 29 CFR 1910

Section 3: Composition/information on ingredients

3.1 Substance information

Substance name	CAS No.	EC No.	Purity
L-5-MTHF Ca	151533-22-1	N/A	NLT 97.5%
D-5-MTHF Ca	N/A	N/A	NMT 1.0%
Total impurity	N/A	N/A	NMT 2.5%

3.2 Trade secret claims

N/A

Section 4: First aid measures**4.1 Description of first aid measures**

Cases	First Aid Measures
Inhalation	Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.
Eye contact	Immediately flush eyes with copious amounts of water for at least 15 minutes. Seek medical advice.
Skin contact	Immediately wash skin with soap and copious amounts of water for at least 15 minutes. If irritation persists, seek medical attention.
Ingestion	If swallowed, wash out mouth with water, provided person is conscious. Seek medical advice. Remove and wash/dispose of contaminated clothing promptly

General notes: In all cases of doubt, or when symptoms persist, seek medical attention.

Section 5: Fire-fighting measures**5.1 Extinguishing media**

Use water spray, carbon dioxide, dry chemical powder or appropriate foam.

5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for fire-fighters

Unusual fire and explosion hazards:

Emits toxic fumes under fire conditions

Special fire fighting procedures:

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

Section 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Wear self-contained breathing apparatus, rubber boots & heavy rubber gloves.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

Ensuring personal safety, mark out contaminated area with signs and prevent unauthorised access. Turn leaking containers up to prevent further contaminate area. Sweep-up/absorb in suitable material, place in a container and hold for disposal. Avoid raising dust. Ventilate area and wash spill site after pick-up complete.

Section 7: Handling and storage

Store in a tightly closed dry container and keep in a ventilated, cool and dry place, avoid to contact with acid material and expose to air. Keep away from sources of ignition, refrain from smoking.

Section 8: Exposure control/personal protection

8.1 Control parameters

There are no currently occupational exposure limit values(PELs) and Threshold Limit Values(TLVs) established for the substance under OSHA.

8.2 Exposure controls

Respiration Protection	Required when dusts are generated.
Protective Gloves	Recommended
Eye Protection	Recommended
Industrial hygiene:	Immediately change contaminated clothing. Wash hands and face after working with substance.

Section 9: Physical and chemical properties

Appearance	Powder
Color	White to light yellow
Odour	N/A
Solubility	N/A
Molecular Weight (g/mol)	497.50
Melting Point(°C)	N/A

Section 10: Stability and reactivity

Reactivity	No information available
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	No hazardous reaction known
Conditions to avoid	None known
Incompatible materials	N/A
Hazardous decomposition products	Have not occur

Section 11: Toxicological information

11.1 Information on toxicological effects

Skin corrosion/irritation	None
Respiratory or Skin Sensitisation	None
Germ cell mutagenicity	No mutagenic effects reported
Repeated or prolonged exposure	No data available

11.2 Toxicological Study

Oral LD50(Rat)	Non-toxic
Oral LD50(mouse)	Non-toxic
IP LD 50(rat)	Non-toxic
IP LD 50(mouse)	Non-toxic
IV LD 50(mouse)	Non-toxic
Maximum Tolerable Dose	> 15000mg/KG

Section 12: Ecological information

BOD5	No data is available on this product
COD	No data is available on this product
Metal content	Metal content under the USP recommended limits.

Do not allow product to enter drinking water supplies, waste water or soil!

Section 13: Disposal considerations

General information	Dispose of in compliance with local and national regulations.
Disposal methods	Dissolve or mix material with a suitable combustible solvent and incinerate in a chemical incinerator equipped with an afterburner and scrubber.

Section 14: Transport information

The product is not classified as dangerous for carriage

UN/N A Number	N/A
Classification	N/A
Proper Shipping Name	N/A
Shipping Label	N/A

Section 15: Regulatory information

OSHA	No Significant Hazard
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Section 16: Other information

16.1 Revision information

Date of the previous revision: 12/06/2018

Date of this revision: 18/07/2018

Revision summary: The first new SDS

16.2 Abbreviations and acronyms

OSHA: Occupational Safety and Health act 29 CFR 1910.1200 on classification, labeling and packaging of chemical substances and mixtures.

CAS: Chemical Abstract Service (division of the American Chemical Society)

EINECS: European Inventory of Existing Commercial Chemical Substances.

16.3 Declare to reader

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