



WEST BENGAL CHEMICAL INDUSTRIES LIMITED
145/1, Jessore Road, Lake Town,
Kolkata – 700 089, India.
Phone: +9133 4025 1700 Fax: +9133 2574 7410
Email: webcil@webcil.com Website: www.webcil.com

Section 1 - Chemical Product and Company Identification

1.1 MSDS Name: L-Methyl Folate Calcium

1.2 Product Code: LMFNL95

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

Laboratory chemicals, manufacture of substances.

1.4 Company Identification:

WEST BENGAL CHEMICAL INDUSTRIES LIMITED

145/1, Jessore Road, Lake Town, Kolkata – 700 089, India.

Phone: +91 33 4025 1700 Fax: +91 33 2574 7410

Website: www.webcil.com Email: webcil@webcil.com

Emergency Telephone No.: +91 9874356081

Section 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.

2.2.1 Hazard classification:

Acute toxicity, Oral (Category 4), H302

Acute aquatic toxicity (Category 1), H400

Chronic aquatic toxicity (Category 1), H410

2.3 Signal word:

Warning

2.4 Hazard statement(s):

H302 Harmful if swallowed.

H410 Very toxic to aquatic life with long lasting effects.

2.5 Precautionary statement(s):

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

P330 Rinse mouth.

P391 Collect spillage.

P501 Dispose of contents/ container to an approved waste disposal plant.

2.6 Other hazards:

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.



WEST BENGAL CHEMICAL INDUSTRIES LIMITED

145/1, Jessore Road, Lake Town,

Kolkata – 700 089, India.

Phone: +9133 4025 1700 Fax: +9133 2574 7410

Email: wbcil@wbcil.com

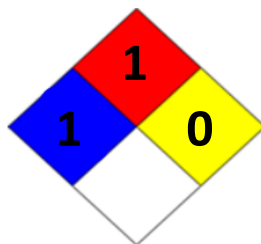
Website: www.wbcil.com

Section 2 – Hazards Identification

2.7 Pictogram



2.16 NFPA SCALE:



NFPA SCALE (0-4)

Section 3 - Composition / Information on Ingredients

3.1 Chemical Name: L-Methyl Folate Calcium

3.2 Synonyms: Levomefolate calcium, Calcium levomefolate, calcium salt (1:1) L-5-MTHF-Ca

3.3 CAS Number: 151533-2222-1

3.4 EC Number: 691-636-3

3.5 Molecular Formula: $C_{20}H_{23}CaN_7O_6$

3.6 Molecular Weight: 497.5 g/mol

Section 4 - First Aid Measures

4.1 Description of first aid measures:

4.1.1 If inhaled

Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

4.1.2 In case of skin contact

Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse

4.1.3 In case of eye contact

Hold eyelids apart a flush eye with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.

4.1.4 If swallowed

Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.



WEST BENGAL CHEMICAL INDUSTRIES LIMITED

145/1, Jessore Road, Lake Town,

Kolkata – 700 089, India.

Phone: +9133 4025 1700 Fax: +9133 2574 7410

Email: wbcil@wbcil.com

Website: www.wbcil.com

Section 4 - First Aid Measures

4.2 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

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

No data available.

Section 5 - Fire-Fighting Measures

5.1 Extinguishing media:

Suitable extinguishing media: Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray. Use water spray to cool fire-exposed containers.

5.2 Special hazards arising from the substance or mixture:

During combustion, may emit irritant fumes

5.3 Advice for firefighters:

As in any fire, wear self-contained breathing apparatus pressure demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

5.4 Further information:

No data available.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid raising and breathing dust, and provide adequate ventilation. Use full personal protective equipment. For personal protection see section 8.

6.2 Environmental precautions:

Take steps to avoid release into the environment, if safe to do so.

6.3 Methods and materials for containment and cleaning up:

Contain spill and collect, as appropriate. Transfer to a chemical waste container for disposal in accordance with local regulations.

6.4 Reference to other sections:

For disposal see section 13.

Section 7 - Handling and Storage

7.1 Precautions for safe handling:

Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid prolonged or repeated exposure. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities:

Keep container tightly closed. Store in accordance with information listed on the product insert.



WEST BENGAL CHEMICAL INDUSTRIES LIMITED

145/1, Jessore Road, Lake Town,

Kolkata – 700 089, India.

Phone: +9133 4025 1700 Fax: +9133 2574 7410

Email: wbcil@wbcil.com

Website: www.wbcil.com

Section 8 - Exposure Controls / Personal Protection

8.1 Control parameters:

This product contains no substances with occupational exposure limit values.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits

8.3 Personal protective equipment:

8.3.1 Eye/face protection:

Safety glasses; Compatible chemical-resistant gloves; Lab coat and NIOSH approved respirator, as conditions warrant.

8.3.2 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.

8.3.3 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.

8.3.4 Respiratory protection:

NIOSH approved respirator, as conditions warrant. Control of environmental exposure: Do not let product enter drain

Section 9 - Physical and Chemical Properties

Information on basic physical and chemical properties:

Appearance	: Solid, powder.
Odour	: No data available.
Odor threshold	: No data available.
pH	: No data available.
Melting/freezing point	: No data available.
Boiling point/range	: No data available.
Flash point	: No data available.
Evaporation rate	: No data available.
Flammability (solid, gas)	: No data available.
Upper/lower flammability or explosive limits	: No data available.
Vapor pressure	: No data available.
Vapor density	: No data available.
Relative density	: No data available.
Water solubility	: 1 mg/mL



WEST BENGAL CHEMICAL INDUSTRIES LIMITED

145/1, Jessore Road, Lake Town,

Kolkata – 700 089, India.

Phone: +9133 4025 1700 Fax: +9133 2574 7410

Email: wbcil@wbcil.com Website: www.wbcil.com

Section 9 - Physical and Chemical Properties

Partition coefficient	: No data available.
Auto-ignition temperature	: No data available.
Decomposition temperature	: No data available.
Viscosity	: No data available.
Explosive properties	: No data available.
Oxidizing properties	: No data available.
Other safety information	: No data available

Section 10 - Stability and Reactivity

10.1 Reactivity:

No data available.

10.2 Chemical stability:

Stable if stored in accordance with information listed on the product insert.

10.3 Possibility of hazardous reactions:

No data available.

10.4 Conditions to avoid:

No data available.

10.5 Incompatible materials:

Strong oxidizing agents, strong reducing agents, Strong acids/alkalis

10.6 Hazardous decomposition products:

Under fire conditions, may decompose and emit toxic fumes. Other decomposition products - no data available.

Section 11 - Toxicological Information

11.1 Information on toxicological effects:

Acute toxicity:

Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

11.2 Skin corrosion/irritation:

No data available.

11.3 Serious eye damage/eye irritation:

No data available.

11.4 Respiratory or skin sensitization:

No data available.

11.5 Germ cell mutagenicity:

No data available.

11.6 Carcinogenicity:

No data available.

11.7 Reproductive toxicity:



WEST BENGAL CHEMICAL INDUSTRIES LIMITED
145/1, Jessore Road, Lake Town,
Kolkata – 700 089, India.
Phone: +9133 4025 1700 Fax: +9133 2574 7410
Email: wbcil@wbcil.com Website: www.wbcil.com

Section 11 - Toxicological Information

No data available.

11.8 Specific target organ toxicity -single exposure:

No data available

11.9 Specific target organ toxicity -repeated exposure:

No data available.

11.10 Aspiration hazard:

No data available

11.11 Additional Information:

RTECS: Not available.

Section 12 - Ecological Information

12.1 Toxicity:

Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

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

Section 13 - Disposal Considerations

Waste treatment methods Product: Dispose in accordance with local, state, and federal regulations. Contaminated packaging: Dispose of as unused product.

Section 14 - Transport Information

14.1 UN Number:

Not classified as hazardous for transport.

14.2 UN Proper Shipping Name:

Not regulated as a dangerous good.

14.3 Transport Hazard Class(es):

DOT (US): Not classified as hazardous.

IMDG: Not classified as hazardous.

IATA: Not classified as hazardous.





WEST BENGAL CHEMICAL INDUSTRIES LIMITED

145/1, Jessore Road, Lake Town,

Kolkata – 700 089, India.

Phone: +9133 4025 1700 Fax: +9133 2574 7410

Email: wbcil@wbcil.com

Website: www.wbcil.com

Section 14 - Transport Information

14.4 Packing Group:

Not applicable.

14.5 Environmental Hazards:

Marine Pollutant: No.

14.6 Special Precautions for User:

Ensure containers are tightly sealed. Avoid exposure to excessive heat and moisture. Store in accordance with applicable regulations.

14.7 Transport in Bulk According to Annex II of MARPOL and the IBC Code:

L-Methylfolate is not a substance listed under bulk transport regulations.

D O T Classification:

Not a DOT controlled material

Air transport Goods:

Nonhazardous/non-dangerous as per IATA DGR.

Special Provision for Transport:

Not applicable IATA Specification Non-dangerous, non-hazardous

DOT (Pictograms) AS PER IATA REGULATION SAFE FOR CARRAGE, NONHAZARDOUS AND NON-RESTRICTED. NO SPECIAL LABELLING OR TRANSPORT MEASURE HAVE BEEN IDENTIFIED. THIS IS NOT REGULATED AS PER IATA REGULATION

Section 15 - Regulatory Information

SARA 302 Components:

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards:

Acute Health Hazard.

Massachusetts Right To Know Components:

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components:

No components are subject to the Pennsylvania Right to Know Act.

New Jersey Right To Know Components:

No components are subject to the New Jersey Right to Know Act.

California Prop. 65 Components:

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm



WEST BENGAL CHEMICAL INDUSTRIES LIMITED

145/1, Jessore Road, Lake Town,

Kolkata – 700 089, India.

Phone: +9133 4025 1700 Fax: +9133 2574 7410

Email: wbcil@wbcil.com Website: www.wbcil.com

Section 16 - Other Information

Disclaimer: This material safety data sheet is provided as an information resource only. “WEST BENGAL CHEMICAL INDUSTRIES LIMITED” believes the information contained herein is accurate and compiled from reliable sources. It is the responsibility of the user to verify its validity. The buyer assumes all responsibility of using and handling the product in accordance with federal, State, and local regulations.

Issue Date: November, 2023

Revision No.: 05

Revision Date: October, 2025