



Material Safety Data Sheet (MSDS)

Product Name: L-5-Methyltetrahydrofolate Calcium

1. IDENTIFICATION

Product Code: AC30045b

CAS Number: 151533-22-1

Synonyms: L-5-Methyltetrahydrofolate calcium; L-5-MTHF-Ca; Calcium levomefolate

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

Molecular Weight: 497.518 g/mol

2. HAZARD IDENTIFICATION

Hazard Class: Not classified (specific classification depends on actual test results)

Health Hazards: May cause irritation to skin and eyes. Inhale or ingest may cause harm. (Detailed information requires specific testing)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients: L-5-Methyltetrahydrofolate Calcium

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Seek medical attention immediately.

Skin Contact: Wash affected area with plenty of water. Seek medical attention if irritation persists.

Eye Contact: Rinse thoroughly with water for at least 15 minutes. Seek medical attention immediately.

Ingestion: Do not induce vomiting. Seek medical attention immediately.

5. FIRE FIGHTING MEASURES

Flash Point: N/A

Autoignition Temperature: N/A

Fire Extinguishing Media: Use appropriate media for type of fire.

Special Hazards: None known.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate protective equipment.

Environmental Precautions: Prevent entry into waterways, sewers, or basements.

Methods for Containment and Cleanup: Contain spill and absorb with inert material. Dispose of according to local regulations.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes, and clothing. Use in well-ventilated area.

Storage: Store in a cool, dry place. Keep away from heat, sparks, and open flames.



8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use local exhaust ventilation.

Respiratory Protection: Use respiratory protection if exposure limits are exceeded.

Eye Protection: Wear chemical safety goggles.

Skin Protection: Wear protective gloves and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White to off-white solid

Melting Point: >300° C

Density: N/A

Solubility: N/A

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Incompatibility: May react with strong oxidants.

Conditions to Avoid: Heat, sparks, and open flames.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: LD50 data not available.

Carcinogenicity: Not classified as carcinogenic.

Reproductive Toxicity: Not classified as reproductive toxicant.

12. ECOLOGICAL INFORMATION

Environmental Fate: Not available.

Persistence and Bioaccumulation: Not available.

Other Ecological Effects: Not available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Dispose of according to local regulations. Do not dispose of in waterways or sewers.

14. TRANSPORT INFORMATION

DOT Classification: Not regulated as a hazardous material (specific classification depends on actual test results and packaging)

UN Number: N/A

Proper Shipping Name: N/A

15. REGULATORY INFORMATION

WHMIS Classification: Not classified (specific classification depends on Canadian regulations)

GHS Classification: Not classified (specific classification depends on GHS criteria and test results)

16. OTHER INFORMATION

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