

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd Floor, 17th Cross Road, Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

Website: www.scimplify.com



SAFETY DATA SHEET

Thiophanate-methyl

1. Identification of the Substance

- **Product Name:** Thiophanate-methyl
- **CAS Number:** 23564-05-8
- **EC Number:** 245-740-7
- **Index Number:** 006-069-00-3
- **Molecular Weight:** 342.39 g/mol
- **Application:** Laboratory reagent
- **Supplier/Manufacturer :** Cocreate Global Technologies Private Limited

2. Hazard Identification

- **Classification under Regulation (EC) No 1272/2008:**
 - **GHS08 (Health Hazard):**
 - **Muta. 2 (H341):** Suspected of causing genetic defects
 - **Carc. 2 (H351):** Suspected of causing cancer
 - **GHS09 (Environmental Hazard):**
 - **Aquatic Acute 1 (H400):** Very toxic to aquatic life
 - **Aquatic Chronic 1 (H410):** Very toxic to aquatic life with long-lasting effects
 - **GHS07 (Harmful):**
 - **Acute Tox. 4 (H332):** Harmful if inhaled
 - **Skin Sens. 1 (H317):** May cause allergic skin reaction

Signal Word: Warning

Hazard Statements:

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd Floor, 17th Cross Road, Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

Website: www.scimplify.com



- H332: Harmful if inhaled
- H317: May cause an allergic skin reaction
- H341: Suspected of causing genetic defects
- H351: Suspected of causing cancer
- H410: Very toxic to aquatic life with long-lasting effects

Precautionary Statements:

- P261: Avoid breathing dust/fume/gas/mist/vapours/spray
- P280: Wear protective gloves/clothing/eye/face protection
- P304+P340: IF INHALED: Move to fresh air and keep comfortable for breathing
- P312: Call a poison center if you feel unwell
- P405: Store locked up
- P501: Dispose of contents/container following regulations

3. Composition and Information on Ingredients

- **CAS No.:** 23564-05-8
- **EC Number:** 245-740-7
- **M-factor (Aquatic Toxicity):** 10 (Acute and Chronic)

4. First Aid Measures

- **Inhalation:** Move to fresh air; seek medical attention if symptoms persist
 - **Skin Contact:** Wash thoroughly with water and soap
 - **Eye Contact:** Rinse with running water for several minutes
 - **Ingestion:** Consult a doctor if symptoms persist
-

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd Floor, 17th Cross Road, Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

Website: www.scimplify.com



5. Firefighting Measures

- **Suitable Extinguishing Agents:** Use suitable extinguishing measures for surrounding fire
 - **Special Hazards:** No further relevant information available
 - **Protective Equipment:** Respiratory protective device
-

6. Accidental Release Measures

- **Environmental Precautions:** Prevent seepage into watercourses or sewage systems
 - **Cleanup Methods:** Dispose of contaminated materials according to regulations; ensure proper ventilation
-

7. Handling and Storage

- **Precautions for Handling:** Ensure good ventilation, avoid dust formation
 - **Storage Conditions:** Store in a tightly sealed container
-

8. Exposure Controls/Personal Protection

- **Respiratory Protection:** Use filter devices for short exposures; for prolonged exposure, use self-contained devices
 - **Hand Protection:** Protective gloves resistant to chemicals
 - **Eye Protection:** Not required under normal conditions
 - **Hygiene Measures:** Keep away from food, wash hands before breaks
-

9. Physical and Chemical Properties

- **Form:** Crystalline solid
- **Color:** Colourless
- **Odor:** Characteristic

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd Floor, 17th Cross Road, Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

Website: www.scimplify.com



- **Water Solubility:** Insoluble
 - **Partition Coefficient (log P):** 0.14613
 - **Auto-ignition Temperature:** Not determined
 - **Explosive Properties:** Not applicable
-

10. Stability and Reactivity

- **Reactivity:** Stable under recommended storage conditions
 - **Hazardous Reactions:** No known hazardous reactions
-

11. Toxicological Information

- **Acute Toxicity:**
 - **Oral LD50 (rat):** 6,640 mg/kg
 - **Dermal LD50 (rabbit):** >10,000 mg/kg
 - **Inhalation LC50 (4h, rat):** 1.7 mg/L
 - **Carcinogenicity:** Suspected of causing cancer
 - **Mutagenicity:** Suspected of causing genetic defects
 - **Skin Sensitization:** May cause allergic skin reactions
-

12. Ecological Information

- **Aquatic Toxicity:**
 - **EC50 (Daphnia):** 4.2 – 9.5 mg/L
 - **Bioaccumulation, Persistence, and Mobility:** No data available
 - **Hazard Class:** Extremely hazardous to aquatic life
-

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd Floor, 17th Cross Road, Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

Website: www.scimplify.com



13. Disposal Considerations

- **Waste Treatment:** Dispose according to official regulations, do not release into sewage
-

14. Transport Information

- **UN Number:** UN3077
 - **Proper Shipping Name:** Environmentally Hazardous Substance, Solid, N.O.S. (Thiophanate-methyl)
 - **Hazard Class:** 9 (Miscellaneous Dangerous Substances)
 - **Packing Group:** III
 - **Environmental Hazard:** Yes (Marine Pollutant)
-

15. Regulatory Information

- **Seveso Category:** E1 (Hazardous to the Aquatic Environment)
- **Lower-Tier Threshold:** 100 tonnes
- **Upper-Tier Threshold:** 200 tonnes