



SHREEJI PESTICIDES PVT. LTD
(A SUBSIDIARY OF WILLOWOOD CHEMICALS PVT. LTD)

Material safety data sheet

Thiophanate methyl 70% WP

1. IDENTIFICATION OF COMPANY & PRODUCT

Product Name : Thiophanate methyl 70% WP
Chemical Name : Dimethyl 4, 4'-(o-phenylene) bis (3-thioallophanate)
Users : Fungicide

Molecular Formula : C₉H₇N₃S
Manufacturer : SHREEJI PESTICIDES PVT LTD.
Address : Plot No. 69/P, Village - Manjusar, Tal. Savli, Dist. Vadodara - 391775
Gujarat, India :
Tele Fax Number 91 2667 264701

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Percent or content (w/w)
Thiophanate-methyl	23564-05-8	70.00 %
Other ingredients	--	30.00 %

3. HEALTH HAZARDS IDENTIFICATION

Emergency Overview

Pale brown powder with a faint odor as sulfur-containing compounds.
Stable in normal condition.
Harmful if inhaled.
Suspected of causing genetic defects.
May cause damage to chest and respiratory system through prolonged or repeated exposure.
Toxic to aquatic life.
Toxic to aquatic life with long lasting effects.

4. FIRST AID MEASURES

Eye contact : Immediately flush eyes with plenty of water for at least 15min. Get medical advice if irritation persists.
Skin contact : Wash skin with soap and water while removing contaminated clothing and shoes.
Inhalation : Remove to fresh air and call a physician.
Ingestion : Induce vomiting immediately, as directed by a physician. Wash out mouth with



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water. Never give anything by mouth to an unconscious person. Call a physician.

Medical instructions :

Note to Physician : No specific antidote. Supportive care. Treatment based on judgment of the physician in response to the reactions of the patient.

5. FIRE FIGHTING MEASURES

Flash point : Not applicable

Fire and Explosion

Hazards : Toxic, irritating fumes may be formed under conditions.

Suitable extinguishing

Media : Use water, CO₂, dry chemical, foam

Protective Equipment

For firefighting : Wear positive-pressure, self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Protective equipment: Wear personal protective equipment. Refer to Section 8 for personal protective equipment.

Personal precaution: Avoid raising dust.

Environment precaution: Prevent from releasing it to the environment as this product is toxic to aquatic organisms.

Cleaning procedure: Obey all Federal, State or local regulations for health & safety and environmental protection when the accidental release is treated.

7. HANDLING AND STORAGE

Handling

Wear personal protective equipment.

Refer to Section 8 for personal protective equipment.

Handle as an organic dust.

Avoid release to environment.

Avoid contact with eyes, skin and clothing.

Avoid breathing dust.

Use only in a well-ventilated areas, or chemical fume hood.

Wash thoroughly after handling. Keep out of the reach of children.



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Storage

Keep in container tightly closed.

Store at a room temperature.

Protect from direct contact with water or excessive moisture, acids or bases.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Breathing Protection : Use respirator or laboratory fume hood. In production settings, airline supplied hood-type respirators are preferred to provide face, eye and respiratory protection.

Shower and change clothing if skin contact occurs

Eye protection : Goggles or appropriate respirator

Skin Protection : Impervious gloves and body covering to prevent skin covering

Ingestion : Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Off-white fine powder.

Powder Odor : Faint sulfur odor.

Melting point : Not applicable.

Boiling point : Not applicable

Vapour pressure : Not available

Flammability : Flammable

pH : 4.0 – 7.0 (CIPAC method)

Corrosive properties : Non corrosive

Solubility in water : Disperse in water

Specific gravity : Non-applicable

Bulk density : 0.2 to 0.3 g/cm³

10. STABILITY AND REACTIVITY

Stability : Stable under normal storage conditions

Incompatibility : None known

Hazardous

Polymerization : Will not occur.



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Hazardous

Decomposition

Products : Will produce carbon monoxide, mercaptan or hydrazine derivatives if heated to decomposition or when involved in a fire.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Oral (rat) LD50 >5000 mg/kg (male), 4350 mg/kg (female)

Dermal (rat) LD50 >5000 mg/kg (male, female)

Inhalation (rat) LC50 (4hr) >1.8 mg/L (male, female)

Irritation:

Eyes (rabbit): Mild

Dermal (rabbit): Negative

Chronic Toxicity and Carcinogenicity (Active ingredient)

Chronic toxicity/Carcinogenicity test (2years)

NOEL (mouse): 16mg/kg/day (male), 64mg/kg/day (female)

NOEL (rat): 8.8mg/kg/day (male), 10.2 mg/kg/day (female)

12. ECOLOGICAL INFORMATION

Ecological Toxicity

Acute Toxicity to aquatic organisms

Acute Toxicity to Fish : LC50 (Carp) >100 mg/L (96hrs) (RD 8923)

LC50 (Trout) 2.2 mg/L (96hrs) (RD 8329)

Acute Toxicity to Daphnia : EC50 (Daphnia magna) 15.6 mg/L (48hrs) (RD8303)

Acute Toxicity to Algae : EbC50 (Green Algae) 4.7 mg/L (72hrs) (RD 8305)

13. DISPOSAL CONSIDERATIONS

Waste Disposal

Method : Dispose of any cleanup materials and waste residue according to applicable federal, state and local regulations. Avoid contamination of water sources.



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14. TRANSPORT INFORMATION

Rail/Road (RID/ADR)

Proper Shipper Name : PESTICIDE, SOLID, TOXIC, N.O.S.
Class : 9
UN No. : 3077

Packing Group : III

Sea (IMDG – Code)

Proper Shipper Name : PESTICIDE, SOLID, TOXIC, N.O.S.
Class : 9
UN No. : 3077

Packing Group : III

Air (ICAO/IATA)

Proper Shipper Name : PESTICIDE, SOLID, TOXIC, N.O.S.
Class : 9
UN No. : 3077
Packing Group : III

15. REGULATORY INFORMATION

EU- Classification Hazard Symbol Xn Harmful

Special Risks (R-Phrases) R21/22 Harmful in contact with skin and if swallowed
R40 Limited evidence of a carcinogenic effect

Safety Advice (S- Phrases) S2 Keep out of the reach of children
S13 Keep away from food, drink and animal feeding stuffs
S22 Do not breathe dust
S36/37 Wear suitable protective clothing and gloves

International WHO Toxicity Classification II Moderately toxic



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16. OTHER INFORMATION

The information above 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 event shall we 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 we have been advised of the possibility of such damages.

