

SAFETY DATA SHEET

EMERGENCY CALL: 1-800-424-9300 (CHEMTREC)



1. IDENTIFICATION

PRODUCT NAME: Transom® 4.5 F

DESCRIPTION: A liquid fungicide

EPA Reg. No.: 72112-2

COMPANY IDENTIFICATION:

PROKÖZ, Inc.

1720 Windward Concourse, Suite 150

Alpharetta, GA 30005

2. HAZARD IDENTIFICATION

WARNING

Harmful if swallowed or inhaled

Causes skin and eye irritation

May cause damage to organs (liver and thyroid)
through prolonged or repeated exposure

Toxic to aquatic life with long lasting effects



HAZARD CLASSIFICATION

| Health Hazard | Category | Environmental Hazard | Category |
|---|----------|---|----------|
| Acute Toxicity, Oral | 4 | Hazardous to Aquatic Environment, Acute | 2 |
| Acute Toxicity, Inhalation | 4 | Hazardous to Aquatic Environment, Chronic | 2 |
| Skin Irritation | 2 | | |
| Eye Irritation | 2B | | |
| Specific Target Organ Toxicity, Repeated Exposure | 2 | | |

PRECAUTIONARY STATEMENTS

Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. If swallowed: Call a poison control center or doctor if you feel unwell. Rinse mouth.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice / attention.

Wear protective gloves / eye protection / face protection. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice / attention. Take off contaminated clothing and wash before reuse.

Avoid breathing mists / vapors / spray. Use only outdoors or in a well-ventilated area. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison control center or doctor if you feel unwell.

Avoid release to the environment. Collect spillage.

Dispose of contents / container in accordance with local / regional / national / international regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Common Name | Chemical Name | CAS # | Composition |
|--------------------|--|------------|-------------|
| Thiophanate-Methyl | Dimethyl [(1,2-phenylene)bis-(iminocarbonothioyl)]bis[Carbamate] | 23564-05-8 | 46.2% |
| Propylene Glycol | | 57-55-6 | < 10% |

4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

5. FIREFIGHTING MEASURES

Flash Point: Not combustible (aqueous formulation).

Fire and Explosion Hazards: Thermal decomposition may produce toxic fumes (see Section 10).

Extinguishing Medium: Use one of the following extinguishing media as appropriate for the surrounding materials: Water fog, foam, dry chemical or carbon dioxide (CO₂).

Fire Fighting Equipment: Firefighters should be equipped with self-contained positive pressure breathing apparatus and full bunker gear.

Fire Fighting Instructions: Evacuate area of all unnecessary personnel and fight fire from a safe distance upwind. Contain contaminated water / firefighting water; do not allow to enter drains or waterways. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff.

NFPA Ratings: Health – 1 / Flammability – 1 / Reactivity - 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Isolate area and keep unnecessary and unprotected personnel from entering. Wear suitable personal protective clothing and equipment as described in Section 8 of this document.

Environmental Precautions: Control spill at the source and prevent material from entering soil, sewers, waterways or low areas. Large spills to soil or similar surfaces may require removal and disposal of topsoil. Contain contaminated water / firefighting water.

Spill Cleanup: Pump free liquid into suitable closed containers for disposal. After decontamination, spill area can be washed with water. Collect washwater for approved disposal. Decontaminate tools and equipment following cleanup.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Storage: Store in the original container in a dry area. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur.

If spilled during storage or handling, absorb with sand or other inert material and dispose of absorbent in accordance with the instructions in Section 13.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

Protective Clothing: Wear long-sleeved shirt, long pants, shoes, socks, chemical-resistant gloves made of any waterproof material, and a chemical resistant apron when handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Off-white liquid

Odor: No data available

Odor Threshold: No data available

Melting Point / Freezing Point: No data available

Initial Boiling Point and Boiling Range: No data available

Flashpoint: No data available (aqueous solution)

Flammability (Solid, Gas): No data available

Upper/Lower Flammability Limits: No data available

Autoignition Temperature: No data available

Decomposition Temperature: No data available

Evaporation Rate: No data available

Vapor Pressure: No data available

Vapor Density: No data available

Bulk Density: 1.208 g/ml (9.75 lbs/gal)

pH: 5.08

Solubility: Dispersible

Viscosity: 275.358 cSt @ 20°C and 146.736 cSt @ 40°C

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Excessive heat.

CHEMICAL STABILITY: Stable under all normal use and storage conditions.

INCOMPATIBILITY WITH OTHER MATERIALS: Strong oxidizing agents: bases and acids.

HAZARDOUS DECOMPOSITION PRODUCTS: This product is chemically stable and no hazardous reactions should occur if stored and handled as prescribed / indicated. When thermally decomposed, may release oxides of carbon, nitrogen and sulfur.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

ORAL TOXICITY (rat LD₅₀): > 5,000 mg/kg

DERMAL TOXICITY (rat LD₅₀): > 5,000 mg/kg

INHALATION TOXICITY (rat LC₅₀): > 2.05 mg/L (4-hour)

EYE IRRITATION: Mildly irritating

SKIN IRRITATION: Slightly irritating

SKIN SENSITIZATION: Not a contact sensitizer

SUBCHRONIC (Target Organ) Effects: Repeated overexposure to thiophanate methyl may cause mild anemia and affect the liver and thyroid. Overexposure to propylene glycol has been associated with kidney toxicity, liver toxicity (animals) and lactic acidosis. Very high-dose acute exposure may result in central nervous system and cardiac effects.

CARCINOGENICITY:

EPA: Not Listed

ACGIH: Not Listed

IARC: Not Listed

NTP: Not Listed

OSHA: Not Listed

MUTAGENIC TOXICITY: No evidence of mutagenic effects during *in vivo* and *in vitro* assays.

REPRODUCTIVE TOXICITY: Not known to cause reproductive or birth defects at normal exposure levels.

12. ECOLOGICAL INFORMATION

Runoff may be hazardous to aquatic organisms. Do not contaminate water when disposing of equipment washwater or rinsate.

The following information is for the active ingredient, Thiophanate-methyl:

AQUATIC TOXICITY

Bluegill (96-hour LC₅₀): > 41 ppm

Rainbow Trout (96-hour LC₅₀): 8.3 ppm

Daphnia (48-hour EC₅₀): 5.4 ppm

Mysid (96-hour LC₅₀): 1.1 ppm

AVIAN TOXICITY

Bobwhite Quail (LC₅₀): > 10,000 ppm

Mallard Duck (LD₅₀): 4,640 mg/kg

OTHER TOXICITY

Honey Bee (LD₅₀): > 100 µg/bee

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: DO NOT contaminate water, food or feed by disposal. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Refer to the product label for specific container disposal instructions.

14. TRANSPORT INFORMATION

US DOT (shipped by ground):

Containers < 2 Gallons

Not regulated by DOT.

Containers ≥ 2 Gallons and < 119 Gallons

UN 3082, Environmentally Hazardous Substance, Liquid, N.O.S (thiophanate-methyl), 9, III, RQ

Marine Pollutant: No

Containers ≥ 119 Gallons

UN 3082, Environmentally Hazardous Substance, Liquid, N.O.S (thiophanate-methyl), 9, III, RQ, Marine Pollutant

Marine Pollutant: Yes

IMDG (shipped by vessel):

UN 3082, Environmentally Hazardous Substance, Liquid, N.O.S (thiophanate-methyl), 9, III, Marine Pollutant

IATA (shipped by air):

UN 3082, Environmentally Hazardous Substance, Liquid, N.O.S (thiophanate-methyl), 9, III, Marine Pollutant

15. REGULATORY INFORMATION

FIFRA –

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. The following is the hazard information as required on the pesticide label:

PRECAUTIONARY STATEMENTS

KEEP OUT OF REACH OF CHILDREN. It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing.

Environmental Hazards

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater.

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide. This product is excluded from listing requirements under EPA/TSCA.

SARA Title III – Section 302 Extremely Hazardous Substances

Not listed

SARA Title III – Section 311/312 Hazard Categories

Immediate, delayed

SARA Title III – Section 312 Threshold Planning Quantity

The threshold planning quantity (TPQ) for this product treated as a mixture is 10,000 lbs. This product contains no ingredients with a TPQ of less than 10,000 lbs.

SARA Title III – Section 313 Reportable Ingredients

Thiophanate-methyl (46.2%) – CAS No. 23564-05-8

CERCLA Reportable Quantity (RQ) –

Thiophanate-methyl: 10 lbs. (2.2 gallons of this product)

CALIFORNIA PROP 65 STATUS –

This product contains a chemical (thiophanate-methyl) known to the state of California to cause developmental effects in both males and females.

CANADA –

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

16. OTHER INFORMATION

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

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