

THIOMYL SYSTEMIC FUNGICIDE

MATERIAL SAFETY DATA SHEET

Manufacturer's Name & Address

Southern Agricultural Insecticides, Inc.
PO Box 218, Palmetto, Fla. 34220

Phone: 941-722-3285
Chemtrec: 1-800-424-9300

I NOMENCLATURE

Product Name: SA-50 Brand THIOMYL FUNGICIDE
Chemical Name: Dimethyl-4-4'-O-phenylenebis-3-thioallophanate
Synonyms: Thiophanate Methyl, Cleary's 3336 WP

EPA Reg. No. 1001-63-829

II INGREDIENTS

	CAS#	Nominal%	OSHA PEL
(Thiophanate Methyl)	23564-05-8	50%	Not listed

III PHYSICAL PROPERTIES

Boiling Point: NA
Freezing Point: 31°F
Vapor Pressure @ 25°C: 7.12×10^{-8} (mmHg)
Solubility In Water: Insoluble (dispersible)
Appearance/Odor: Off white powder, slight fruit like odor.

Melting Point: 181.5-182.5°C
Specific Gravity: 1.53 @ 20/20 C
Percent Volatile: (by volume) Zero

IV FIRE AND EXPLOSION DATA

Flash Point: N/A **Autoignition Temperature:** N/A **Flammable Limits:** Lel: NA Uel: NA
Extinguishing Media: Carbon Dioxide, foam, water
Special Fire Fighting Procedures: Wear self contained breathing apparatus and protective clothing.
Unusual Fire & Explosion Hazards: None

V FIRST AID

First Aid for EYE Exposure: Flush eyes with copious amount of water for at least 15 minutes. Get medical attention immediately.

First Aid for SKIN Exposure: Wash exposed skin with soap and warm water. Contaminated clothing, including footwear, should be thoroughly cleaned before reuse.

First Aid for INHALATION: Remove to fresh air.

First Aid for Ingestion: Drink 1-2 glasses of water, Induce vomiting as soon as possible by tickling the back of the throat with the finger or similar blunt object. Seek medical attention immediately.

Special Precautions: For allergic reactions contact a physician immediately.

SYMPTOMS of OVEREXPOSURE: irritation of eyes, nose and throat, dermatitis, headache and nausea.

Toxicology of Active Ingredient: Acute Oral LD50 (rats): 7,500mg/kg males, and 6,640 to females.

Acute Dermal LD50 (rabbits): > 10,000 mg/kg. **Acute Inhalation LD50 (rats):** > 20.8 mg/L.

No oncogenicity, no observed effect level, 160 ppm in diet for two years (rat) and 50 mg/kg/day in single dose for two years (dog)

VI REACTIVITY

Stability: Stable .

Conditions to Avoid: N/A

Incompatibility: Highly alkaline materials, oxidizing agents, lime sulfur, Bordeaux mixture, copper compounds.

Hazardous Decomposition Products: Thermal decomposition generates oxides of nitrogen, sulfur, and carbon.

Hazardous Polymerization: N/A .

VII STORAGE AND DISPOSAL

Storage: Store in original sealed containers in a cool dry area not accessible to children and unauthorized persons.

Steps To Be Taken If Spilled: Sweep up and dispose of in compliance with all federal, state and local laws.

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Waste Disposal: Do not contaminate water, food, or feed by storage or 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 by use 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. Read container label for further guidance

VIII SPECIAL PROTECTION

Respiratory: OSHA approved respirator.

Ventilation: Use only outdoors or in a well ventilated area.

Gloves: Rubber, disposable plastic or similar.

Eye Protection: Goggles or safety glasses should be worn.

Other Protective Equipment: Clean, freshly laundered work clothes, long pants and long sleeved shirt, or coveralls, Water resistant boots. A protective barrier cream may be used on exposed skin areas.

IX SPECIAL PRECAUTIONS

Handling Precautions: Store in original sealed containers, in a cool dry area inaccessible to children. Do not take internally. Avoid contact with skin and/or eyes. Handle in well ventilated area. Avoid container damage. Wash thoroughly with soap and water after handling.

Other Precautions: KEEP OUT OF REACH OF CHILDREN.

X TRANSPORTATION AND SELECTED REGULATORY INFORMATION

This product contains 50% of the chemical Thiophanate methyl CAS#23564-05-08 and is referenced under the following regulations

Sara Title III 311/312 Immediate Acute hazard, Reporting requirements of Sara 313

CERCLA notification of release RQ: 1 LB, RCRA (waste regulations) Code # U 409

This information relates solely to the designated product and is not inclusive for combinations with other materials. This information is given without warranty or representation. Information is based on data we believe to be correct as of the date hereof. This information is furnished solely for your consideration, investigation, and verification. Before using any product READ THE LABEL.

Ref.: W.A. Cleary MSDS 3336, Title III (EPCRA and clean air act) consolidated list 11/97,
49 CFR parts 171-173 5/97