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**"For Chemical Emergency"**

Spill, Leak, Fire, Exposure or Accident, Call:  
Chemtrec (24 Hours): (800) 424-9300  
Outside U.S., call collect: (703) 527-3887

## MATERIAL SAFETY DATA SHEET

### SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME: <b>Thiophanate-Methyl 85 WDG</b>	CHEMICAL FORMULA: <b>Thiophanate-methyl: [DIMETHYL(1,2-PHENYLENE) BIS(IMINOCARBONOTHIOYL) BIS(CARBAMATE)</b>
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### SECTION 2 - HAZARDOUS INGREDIENT INFORMATION

Section 313 of SARA Title III: Ingredients subject to reporting are identified by asterisk (\*)

CAS NO.	COMPONENT	%	ACGIH TLV	OSHA PEL	OTHER
<b>23564-05-8</b>	<b>NONE</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

### SECTION 3 - PHYSICAL PROPERTIES

BOILING POINT: <b>100 C</b>	MELTING POINT: <b>N/A</b>	SPECIFIC GRAVITY (H <sub>2</sub> O=1) <b>1.231 @ 20/21 C</b>	VAPOR PRESSURE (mmHg) <b>N/E</b>
VAPOR DENSITY (AIR=1): <b>N/E</b>	% SOLUBILITY IN WATER: <b>Dispersible</b>	% VOLATILE BY WEIGHT: <b>NE</b>	
APPEARANCE: <b>Off white liquid</b>	ODOR: <b>NONE</b>	EVAPORATION RATE (Butyl Acetate=1) <b>&lt;1</b>	

### SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT & METHOD: <b>N/A</b>	FLAMMABLE LIMITS IN AIR - LEL: <b>N/A</b>	UEL:
EXTINGUISHING MEDIA: <b>Water, Foam, CO<sub>2</sub>, Dry Chemical, or Earth or Sand</b>		
SPECIAL FIRE FIGHTING PROCEDURES: <b>NONE KNOWN</b>		
UNUSUAL FIRE AND EXPLOSION HAZARDS: <b>NONE KNOWN</b>		

### SECTION 5 - REACTIVITY DATA

STABILITY: <b>Stable under normal conditions</b>
HAZARDOUS POLYMERIZATION: <b>N/A</b>
HAZARDOUS DECOMPOSITION PRODUCTS: <b>N/A</b>
CONDITIONS & MATERIALS TO AVOID: <b>NONE</b>

### SECTION 6 - PROTECTIVE EQUIPMENT & EXPOSURE CONTROL METHODS

RESPIRATORY PROTECTION: <b>Not Required – Use Normal Safety Precautions.</b>				
<b>VENTILATION</b>	LOCAL EXHAUST: <b>ADEQUATE</b>	MECHANICAL: <b>ACCEPTABLE</b>	SPECIAL: <b>NONE</b>	OTHER: <b>NONE</b>
PROTECTIVE GLOVES: <b>RUBBER GLOVES</b>	EYE PROTECTION: <b>Not Required – Use Normal Safety Precautions</b>			
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: <b>Wear clothing that prevents skin contact</b>	WORK/HYGIENIC PRACTICES: <b>AVOID SKIN AND EYE CONTACT</b>			

PRODUCT NAME: Thiophanate Methyl 85 WDG

## SECTION 7 - HEALTH HAZARDS

PRIMARY ROUTES OF ENTRY:

### SKIN AND EYES

CARCINOGEN:

**NONE KNOWN**

NTP:

**N/A**

IARC MONOGRAPHS:

**N/A**

OSHA:

**N/A**

INHALATION:

**N/A**

EYE CONTACT:

**Moderate Irritations (Transient)**

SKIN CONTACT:

**N/A**

INGESTION:

**N/A**

## SECTION 8 - EMERGENCY & FIRST AID PROCEDURES

EYE CONTACT:

**Flush eyes with water for 15 minutes. Get medical attention if irritation persists.**

SKIN CONTACT:

**Flush with soap and water. Contaminated clothing – remove and launder**

INHALATION:

**Remove to fresh air.**

INGESTION:

**Give 2 glasses of water and induce vomiting. SEEK MEDICAL ATTENTION.**

## SECTION 9 - SPILL, LEAK & DISPOSAL INFORMATION

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

**DISPOSE OF IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS. Sweep or scoop up and remove. Flush area with water.**

WASTE DISPOSAL METHOD:

**DISPOSE OF IN APPROVED WASTE DISPOSAL FACILITY IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.**

## SECTION 10 - SHIPPING DATA

DOT SHIPPING NAME:

**NONE**

## SECTION 11 - SPECIAL PRECAUTIONS & OTHER INFORMATION

SPECIAL INSTRUCTIONS:

**WEAR RUBBER GLOVES OR BARRIER CREAM. USE RUBBER BOOTS SINCE CALCIUM ABSORBS MOISTURE FROM LEATHER FOOTWEAR CAUSING SHRINKING.**

OTHER INFORMATION/PRECAUTIONS:

**Read and follow all label instructions before use. Avoid contaminating water. Do not reuse containers. Open dumping is prohibited.**

COMMON ABBREVIATIONS THAT MAY HAVE BEEN USED: N/A = NOT APPLICABLE N/E = NOT ESTABLISHED

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