

# WESTERN RESERVE CHEMICAL

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## MATERIAL SAFETY DATA SHEET

### WESTCO MMBI

#### 1. Product Identifications

Product Name:	Westco MMBI		
Composition:		<u>CAS#</u>	<u>% by wt</u>
	4-and5-methyl-2-mercaptobenzimidazole	53988-10-6	98
	Petroleum Oil	64742-52-5	2

#### 2. Physical Description/Properties

Specific Gravity:	1.30
Melting Point (C° Min):	285
Appearance:	Off-white to light yellow powder
Odor:	None
Solubility:	Soluble in ethyl alcohol; insoluble in water and organic solvents.
Volatiles %	NA

#### 3. Hazard Information

##### **Combustible dust**

Keep away from heat, sparks and flame. Eye irritant-Can cause redness, tearing and swelling. Skin contact may cause allergic reaction. Inhalation may cause upper respiratory irritation. Harmful if swallowed. Ingestion of mercaptans may cause methemoglobin formation resulting in cyanosis.

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### **4. First Aid Information**

Skin: Remove contaminated clothing and wash before re-use. Immediately wash contaminated skin with running water.

Ingestion: Immediately rinse mouth with water. Do not induce vomiting. Seek immediate medical attention.

Eyes: Flush with water for 15 minutes. Seek medical attention if irritation persists.

Inhalation: Remove person to fresh air. Get immediate medical attention if breathing is difficult or short

### **5. Handling and Storage**

Storage: Store at or below 40°C, in a dry well-ventilated area avoiding exposure to ignition sources.

### **6. Employee Protection Recommendations**

The employee should wear protective clothes and avoid direct physical contact with the product.

Eye Protection: Wear chemical safety glasses or goggles

Hand Protective Requirements: Wear protective gloves.

Skin Protective Requirements: Wear overalls.

Ventilation: Local exhaust

### **7. Toxicological Information**

Low toxicity

LD50 acute oral for rats: 340mg/kg

LD50 acute skin for rabbits: Non-irritating

### **8. Fire and Explosion Data**

Flash point: 280°C

Exposure standard limits: Not available

Flammable

Extinguish Media: Spray water, Carbon Dioxide, foam, sand or dry chemical.

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### **9. Reactivity**

Chemical stability: Stable when stored in original container protected from heat and moisture.

Hazardous Polymerization: Does not occur.

Materials to avoid: Strong oxidizers, acids and water.

Hazardous products of decomposition: Oxides of nitrogen, sulfur and carbon.

### **10. Accidental Release and Disposal**

Spills: Sweep and place in closable container. Avoid generation of dust. Wear appropriate protective clothing and safety devices. Do not use water to remove spilled material.

Disposal: Bury waste and empty containers in licensed landfill in adherence to federal, state and local regulations.

### **11. Transportation Information**

DOT Status	Not regulated
DOT shipping name	None
DOT reportable qty. (lbs)	None
ICAO/IATA Status	Not regulated
Proper shipping name	None
UN/NA number	None
IMDG Status	Not regulated
TDG Canada	Not regulated

### **12. Regulatory Information**

Worldwide Inventory Status	
TSCA (USA):	Listed
Canadian DSL	Listed
EINECS/ELINCS (Europe):	Listed
Japanese Inventory (ENCS):	Listed
Korean Chemical Inventory (ECL):	Listed
Australian Chemical Inventories (AICS):	Listed

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China (CLECS):	Listed
US Regulatory Rules	
SARA Section 302:	None Found
SARA 311/312 Hazard Categories:	Immediate health hazard
SARA 313 Chemical:	None
RCRA Status:	Not a RCRA waste
OSHA:	Hazardous by 29 CFR 1910.1200 standard
Other Regulations:	
California Proposition 65:	NONE
New Jersey Right-to-know List:	Methyl-2-mercaptobenzimidazole
Pennsylvania Right-to-Know List:	Methyl-2-mercaptobenzimidazole
Florida Right-to-Know:	N/A
Minnesota Right-to-Know:	N/A
MA Right-to-Know Law:	N/A

### **13. Other Information**

HMIS Classification Health 2 Flammability 1 Reactivity 0

Important Note: The information provided is without warranty regarding its accuracy or completeness. The information may not be valid under all conditions. The user has the final responsibility for determining the suitability of the product in a given application.