



MSDS: CLEAN CROP TOPSIN M 5G

-----  
SECTION IV - FIRE AND EXPLOSION HAZARD INFORMATION  
-----

SPECIAL FIRE FIGHTING PROCEDURES: Smoke and fumes from fire may contain hazardous components. Use self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: If water is used to fight fire or cool containers, contain run-off by diking to prevent contamination of water supplies.

NFPA HAZARD RATING:

-----  
0 Least  
1 Slight | 1 Health  
2 Moderate | 0 Flammability  
3 High | 0 Reactivity  
4 Severe

-----  
SECTION V - REACTIVITY INFORMATION  
-----

STABILITY: Stable CONDITIONS TO AVOID: Excessive heat

INCOMPATIBILITY (Avoid contact with): Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Not known. Oxides of sulfur, oxides of nitrogen and other unknown hazardous materials may be formed in a fire situation. Incomplete combustion may lead to formation of carbon monoxide and/or other asphyxiants.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None known.

-----  
SECTION VI - HEALTH INFORMATION  
-----

TOXICOLOGICAL TEST DATA: (Source of Information - Registry of Toxic Effects of Chemical Substances):

Acute oral LD50 (rat) 6640 mg/kg (Technical Thiophanate Methyl)

EFFECTS OF OVEREXPOSURE:

Routes of Entry: Ingestion, inhalation, eyes and skin contact. Most likely Route of Entry: Dermal. Product is considered to be of low to moderate toxicity. May be harmful if swallowed or inhaled. May cause irritation of eyes, nasal passages, throat and skin.

-----  
SECTION VI - HEALTH INFORMATION  
-----

EMERGENCY AND FIRST AID PROCEDURES: Call a physician immediately in all cases of suspected poisoning.

Ingestion: Harmful if swallowed. Call a physician immediately.  
Eyes: Flush with running water for at least 15 minutes while holding eyelids open. If irritation persists, get medical attention.  
Skin: Remove all contaminated clothing. Wash skin and hair thoroughly with soap and water. Wash clothing before reuse. If irritation persists, get medical attention.  
Inhalation: Remove to fresh air. If irritation persists, get medical attention.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

POTENTIAL CARCINOGEN STATUS (Source of Information - Registry of Toxic Effects of Chemical Substances):

Not known. None of the components in this product is listed by IARC, NTP or OSHA as a potential carcinogen.

-----  
SECTION VII - SPILL OR LEAK PROCEDURES  
-----

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Contain spill; vacuum or scoop and sweep up and place in container for disposal.

WASTE DISPOSAL METHOD:

Material which cannot be used at the site should be disposed of in an approved waste disposal facility following all applicable Federal, State and local regulations. Completely empty container into application equipment, then dispose of empty container in a sanitary landfill. If allowed by state and local authorities, empty containers may be burned. If burned, stay out of smoke. Do not contaminate water supplies by disposal of wastes or containers.

-----  
SECTION VIII - SPECIAL PROTECTION INFORMATION  
-----

PROTECTIVE CLOTHING:

Eye Protection (Type): Not normally required, follow local work rules.  
Gloves (Type): Rubber gloves  
Respiratory Protection: Not normally required. If dusts exceed acceptable levels, wear MSHA/NIOSH-approved respirator for protection against pesticide dusts.  
Other Clothing: Long-sleeved shirt, long pants, shoes and socks.

-----  
SECTION VIII - SPECIAL PROTECTION INFORMATION - Continued  
-----

VENTILATION:

Local Exhaust: Not normally required  
Mechanical (General): Not normally required  
Special: Not normally required  
Other: Work in a well-ventilated area

-----  
EPA HANDLER REQUIREMENTS

Worker Protection Standard  
40 CFR 170

Note, the following PPE requirements address handler/applicator requirements under FIFRA and may differ from what is felt necessary to address a clean up, needs during formulation/manufacturing or other times of involvement with the product.

Personal Protective Equipment:

Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical-resistant gloves, such as barrier laminate, nitrile rubber, neoprene rubber or viton and shoes plus socks.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water.

Keep and wash PPE separately from other laundry.

-----  
SECTION IX - SPECIAL PRECAUTIONS  
-----

HANDLING AND STORAGE:

Store in a cool, dry place away from children, domestic animals, food and feed products. Do not contaminate other stored products or the storage area by handling or storage of this product. Immediately clean up any spills which occur during handling and storage.

OTHER PRECAUTIONS:

Do not contaminate water supplies by handling or storage of product, cleaning of equipment or disposal of wastes. Keep work and storage areas clean. Read and follow precautionary measures on product label.

-----  
SECTION X - REGULATORY INFORMATION  
-----

SARA TITLE III HAZARD CATEGORY:

IMMEDIATE	<u>Y</u>	FIRE	<u>N</u>	SUDDEN RELEASE
DELAYED	<u>N</u>	REACTIVE	<u>N</u>	OF PRESSURE <u>N</u>

SUBSTANCES REGULATED UNDER SARA, TITLE III, SECT. 313:

None

DATE OF ISSUE: 05/05/95  
SUPERSEDES: 04/28/90

All information contained in this Material Safety Data Sheet is furnished free of charge and is intended for your evaluation. In our opinion the information is, as of the date of this Material Safety Data Sheet, reliable, however, it is your responsibility to determine the suitability of the information for your use. You are advised not to construe the information as absolutely complete since additional information may be necessary or desirable when particular, exceptional or variable conditions or circumstances exist or because of applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information gathered by you, and you must make independent determinations of the suitability and completeness of the information from all sources to assure both proper use of the material described herein and the safety and health of employees. Accordingly, no guarantee expressed or implied is made by Platte Chemical Co. as to the results to be obtained based upon your use of the information, nor does Platte Chemical Co. assume any liability arising out of your use of the information.