



**IVORYCHEM PTE LIMITED**  
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Email: [contact@ivorychem.com](mailto:contact@ivorychem.com)  
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Co. Registration No. 200405572W  
GST Registration No. 200405572W

## MATERIAL SAFETY DATA SHEET

### CONTRAM 75 WP Fungicide

**Version:** Global  
**Date Approved:**  
**Revision No:** 1

#### CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** CONTRAM 75 WP Fungicide  
**ACTIVE INGREDIENT:** Thiram  
**CHEMICAL FAMILY:** NA  
**MOLECULAR FORMULA:** NA

#### MANUFACTURER

IVORYCHEM PTE LTD  
15 Beach Road, #02-09  
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#### Emergency Telephone Numbers:

**Emergency Phone** [contact@ivorychem.com](mailto:contact@ivorychem.com) (Please refer local label for Emergency Numbers in your region).

#### COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Wt. %	PEL/TLV	EC No.	EC Class
Thiram	137-26-8	75%	None	None	None
Other Ingredient		25%	None	None	None

#### HAZARDS IDENTIFICATION

##### Emergency Overview

Caution! Causes eye irritation. Causes skin irritation. Harmful if swallowed, inhaled or absorbed through the skin. Do not get in eyes, on skin, or on clothing. Avoid breathing dust or spray mist. Toxic to fish, birds, and other wildlife.

**Physical State:** solid

**Odor:** very faint

**Appearance:** Off-white to pink

**Routes of Exposure:** Inhalation, Skin Absorption, Ingestion, Eye contact

##### Immediate Effects

**Eye:** Causes eye irritation. Do not get in eyes.



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**Skin:** Causes skin irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Harmful if absorbed through skin. Do not get in eyes, on skin, or on clothing.

**Ingestion:** Use of alcoholic beverages may enhance toxic effects. Harmful if swallowed. Do not take internally.

**Inhalation:** Inhalation of dust may cause mucous membrane and respiratory irritation. Harmful if inhaled. Avoid breathing dust or spray mist.

### Medical Conditions

#### Aggravated by Exposure

Individuals with allergic history or pre-existing dermatitis should use extra care in handling this product. As with all materials which can cause upper respiratory tract irritation, persons with a history of asthma, emphysema, or hyperactive airways disease may be more susceptible to overexposure. Pulmonary and respiratory diseases may be aggravated by exposure to respirable crystalline silica.

### FIRST AID MEASURES

**General:** When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.

**Eye:** 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 physician or poison control center immediately.

**Skin:** Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or poison control center immediately.

**Ingestion:** Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave victim unattended.

**Inhalation:** Move to fresh air. If person is not breathing, call an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison control center immediately.

#### Notes to Physician

#### Signs and Symptoms

More severe effects if alcohol is consumed.

Ingestion may provoke the following symptoms: nausea, vomiting, breathing difficulties

#### Treatment

There is no specific antidote. Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended.

### FIRE FIGHTING MEASURES

**Flash point:** > 93.4 °C / > 200.1 °F

**Fire and Explosion Hazards:** Heating or fire can release toxic gas. Keep away from open flames, hot surfaces and sources of ignition.

**Suitable Extinguishing Media:** foam, carbon dioxide (CO<sub>2</sub>), dry chemical, water spray

**Fire Fighting Instructions:** Keep out of smoke. Fight fire from upwind position. Cool containers / tanks with water spray. Do not allow run-off from fire fighting to enter drains or water courses.



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Equipment or materials involved in pesticide fires may become contaminated. Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

### ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces.

**Methods for Cleaning Up:** Avoid dust formation. Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean contaminated floors and objects thoroughly, observing environmental regulations.

**Additional Advice:** Use personal protective equipment. Do not allow product to enter streams, sewers or other waterways.

### HANDLING AND STORAGE

**Handling Procedures:** Handle and open container in a manner as to prevent spillage.

**Storing Procedures:** Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

**Work/Hygienic Procedures:** Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics. Take off contaminated clothing and shoes immediately. Then wash thoroughly and put on clean clothing. Remove Personal Protective Equipment (PPE) immediately after handling this product. Before removing gloves clean them with soap and water. As soon as practical, wash thoroughly and change into clean clothing.

**Min/Max Storage Temperatures:**

Do not transport or store below -7 °C / 19 °F

Do not transport or store above 49 °C / 120 °F

### EXPOSURE CONTROLS / PERSONAL PROTECTION

**General Protection:** Follow all label instructions. Train employees in safe use of the product. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water. Keep and wash PPE separately from other laundry.

**Engineering Controls:** Maintain exposure levels below the exposure limit through the use of general and local exhaust ventilation.

**Eye/Face Protection:** tightly fitting safety goggles

**Hand Protection:** Chemical resistant nitrile rubber gloves

**Body Protection:** Wear long-sleeved shirt and long pants and shoes plus socks.

**Respiratory Protection:** When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations.

**Exposure Limits**

Thiram CAS: 137-26-8

ACGIH TWA 1 mg/m<sup>3</sup>

NIOSH REL 5 mg/m<sup>3</sup>

OSHA Z1 PEL 5 mg/m<sup>3</sup>



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OSHA Z1A TWA 5 mg/m<sup>3</sup>  
US CA OEL TWA PEL 5 mg/m<sup>3</sup>

### PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Off-white to pink  
**Physical State:** solid  
**Odor:** very faint  
**Bulk Density:** 20 - 26 lbs/cu.ft.  
**Water solubility:** suspensive

### STABILITY AND REACTIVITY

**Chemical Stability:** Stable under recommended storage conditions.  
**Conditions to Avoid:** Heat, flames and sparks.  
**Incompatibility:** acids, oxidizing agents, copper  
**Hazardous Decomposition Products:** Thermal decomposition nitrogen oxides (NO<sub>x</sub>), Sulphur oxides, hydrogen sulfide, carbon disulphide

### TOXICOLOGICAL INFORMATION

**Acute Oral Toxicity:** rat: LD50: > 2,000 mg/kg  
**Acute Dermal Toxicity:** rabbit: LD50: > 2,000 mg/kg  
**Acute Inhalation Toxicity:** rat: LC50: > 2.0 mg/l Exposure time: 1 h  
**Skin Irritation:** Slight irritation  
**Eye Irritation:** Moderate eye irritation.  
**Sensitization:** May cause sensitization by skin contact.  
**Chronic Toxicity:** THIRAM: Thiram has shown mutagenic activity in the Ames Test, but non-mutagenic in mammalian cell studies. Since Thiram was not mutagenic in vivo, the FAO (Food and Agricultural Organization) concludes that Thiram does not present a genotoxic hazard for humans. Chronic feeding studies with laboratory animals did not exhibit carcinogenic effects. No teratogenic effects have been reported in laboratory studies with rats and rabbits (proprietary studies).  
**Assessment Carcinogenicity**  
**ACGIH:** Thiram 137-26-8: Group A4  
**IARC:** Thiram 137-26-8: Overall evaluation: 3  
**OSHA:** None.

### ECOLOGICAL INFORMATION

**Environmental Precautions:**  
Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Drift or run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water, to areas where surface water is present or to intertribal areas below the mean high water mark. Exposed treated seed may be hazardous to birds. Apply this product as specified on the label.

### DISPOSAL CONSIDERATIONS

**General Disposal Guidance:**  
Open dumping is prohibited. 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



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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.

### **Container Disposal:**

Do not re-use empty containers. Completely empty container into application equipment, then dispose of empty container in a sanitary landfill, by incineration or by other procedures approved by state/provincial and local authorities. If burned, stay out of smoke.

### **RCRA Classification**

The RCRA Classifications may be on the individual component(s) and not necessarily on the product as a whole.

137-26-8 Thiram: US. EPA Resource Conservation and Recovery Act (RCRA) Composite List of Hazardous. Wastes and Appendix VIII Hazardous Constituents (40 CFR 261): U244

137-26-8 Thiram: US. EPA Resource Conservation and Recovery Act (RCRA) U List of Hazardous Wastes (40CFR 261.33(f) and 40 CFR 302 [CERCLA]): U244

### **TRANSPORT INFORMATION**

#### **TRANSPORTATION CLASSIFICATION:**

RQ Environmentally Hazardous Substances, Solid, N.O.S. ( Thiram) // 9 // UN3077 // PG III

#### **FREIGHT CLASSIFICATION:**

Insecticides or Fungicides, N.O.I.; other than poison

### **REGULATORY INFORMATION**

#### **Active ingredient Name: Thiram**

The following precautions appear in the Precautions section of label / leaflet. Wash hands and exposed skin after use. Wash splashes from skin or eyes immediately with plenty of water.

The following precautions appear in the 'Statutory conditions relating to use' box of the label / leaflet. For use only as fungicide, and professional use only. Wear suitable protective clothing / overall and synthetic rubber / PVC gloves and eye protections when using.

### **OTHER INFORMATION**

Section(s) Revised: New Format