

# MATERIAL SAFETY DATA SHEET



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Issued: 02/Feb/2024  
Revised date : NA

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Product name:** Dinotefuran 8% + Diafenthiuron 48% WG  
**Use / description of product:** Agriculture product  
**Company name:** Indofil Industries Limited  
Kalpataru Square - 4th floor, Kondivita Road,  
Off Andheri Kurla Road, Andheri (East),  
Mumbai 400059. Maharashtra, India.  
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## 2. HAZARDS IDENTIFICATION

**Eye Contact:** Moderately irritation to eyes  
**Skin Contact:** Repeated or prolonged contact can cause irritation or dermatitis.  
**Inhalation:** Inhalation of vapors can irritate the nose and throat  
**Ingestion:** Swallowing this material may cause stomach or intestinal upset with pain , nausea , and / or diarrhea. This material can get into the lungs during swallowing or vomiting. Ingestion can cause temporary CNS depression, drowsiness, and changes in the liver and weight loss.

**Effects of long term Exposure:**  
**Cancer Information:**  
**Birth Defects/Developmental Effects:**  
**Aquatic organisms :**

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS	w/w
1. Active ingredient (Dinotefuran)	165252-70-0	8
2. Active ingredients( Diafenthiuron)	80060-09-9	48
3. Inert ingredients	.....	Q.S

## 4. FIRST AID MEASURES

### Most Important symptoms and effects, both acute and delayed

**Skin contact :** There may be mild irritation of site of contact  
**Eye contact:** There may be irritation and redness of eyes  
**Ingestion:** There may be soreness and redness of mouth and throat

### Description of first aid measures

#### In general

**After Ingestion:** If swallowed dilute by giving 2 glasses of water to drink and call a doctor. Never give any by mouth to an unconscious person

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**After eye contact:** Flush eyes with plenty of water for at least 15 minutes and see doctor

**After skin contact:** Remove contaminated clothes, wash skin with soap and water.

**After Inhalation:** Remove to fresh air and consult to physician

**Indication of any immediate medical attention and special treatment needed**

## 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Dry chemical powder, CO<sub>2</sub>, Water, Water Spray

**Exposure hazards:** Fire produces toxic and flammable products. Hydrogen **sulfide**, CS<sub>2</sub>, Oxides of Sulfur, Nitrogen and Carbon

**Protection of Fire Fighters:** Wear NIOSH / MSHA approved self-contained breathing apparatus and full protective clothing. Water can release flammable carbon disulfide from Mancozeb. Contain water run-off .

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Eliminate all sources of ignition

**Environmental precautions:** Do not discharge in river .

**Clean-up procedures:** Transfer to closable, labeled salvage container for disposal by proper method

## 7. HANDLING AND STORAGE

**Handling requirements:** Keep containers closed and do not handle or store near heat, sparks or any other potential ignition sources. Use only with adequate ventilation and personal protection. Smoking is forbidden

**Storage conditions:** Store in a dry shaded, well ventilated area. Do not allow it to become wet or over heated in storage because degradation of the material may occur and fire may be result. Provide plenty of ventilation to dissipate heat

**Suitable packaging:** Must kept in original packaging

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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<b>Engineering measures:</b>	Provide exhaust ventilation or other engineering controls. An emergency eye wash station and safety shower should be located near the work-station.
<b>Respiratory protection:</b>	Wear suitable respirators where exposure limits are exceed. An air-supplied respiratory protection must confirm to OSHO rules as specified in 29 CFR1910.134.
<b>Hand protection:</b>	Avoid skin contact .Use gloves. Wash hands with plenty of mild soap and water before eating, drinking, use of toilet facilities or leaving work.
<b>Eye protection:</b>	Wear eye protection such as safety glasses, chemical goggles, or face shields if engineering controls or work practices are not adequate to prevent eye contact. Contact lenses should not be worn when working with this chemical
<b>Skin protection:</b>	Wear insulated neoprene gloves for handling the material select in accordance with OSHO 29 CFR 1910.133.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>State:</b>	Solid
<b>Colour:</b>	White to off white
<b>Odour:</b>	-----
<b>Solubility in water:</b>	Suspension in water
<b>Flash point °C:</b>	NA

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Conditions to avoid:</b>	Keep dry and avoid excessive heat (<49°C) and ignition sources
<b>Hazardous decomp. products:</b>	Hydrogen Sulfide, Carbon Disulfide, Oxides of carbon, Nitrogen and Sulphur

## 11. TOXICOLOGICAL INFORMATION

<b>Hazardous ingredients:</b>	Dinotefuran, Diafenthiuron
<b><u>Acute toxicity (Assessment largely or completely based on data for active substance)</u></b>	
Acute Oral LD <sub>50</sub> (Rat):	Dinotefuran Male rats 2804, Female rats 2000 (mg/kg) Diafenthiuron 2068 (mg/kg)
Acute Dermal LD <sub>50</sub> (Rat)	Dinotefuran > 2000 (mg/kg) Diafenthiuron > 2000 (mg/kg)
Acute Inhalation LC <sub>50</sub>	Dinotefuran > 4.09 mg/l <sub>s</sub> , Diafenthiuron 0.558
EYE Irritation (Rabbit)	Slight irritant
SKIN Irritation (Rabbit)	Slight irritant
Skin Sensitization (Guinea Pig)	Not a Sensitizer (Guinea pig skin)



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## 14. TRANSPORT INFORMATION

### U.S> Department of Transportation (DOT)

Bulk

UN no: 3077  
Shipping name: **Dinotefuran 8% + Diafenthiuron 48% WG**  
Hazard Class: 9  
Packing group: III

### Land Transport (ADR / RID)

UN no: 3077  
Shipping name: **Dinotefuran 8% + Diafenthiuron 48% WG**

Hazard Class: 9  
Packing group: III

### Marine Transport (IMDG / IMO)

UN no: 3077  
Shipping name: **Dinotefuran 8% + Diafenthiuron 48% WG**  
Hazard Class: 9  
Packing group: III

Marine pollutant: Yes  
EmS:

### Air transport (IATA / ICAO)

UN no: 3077  
Shipping name: **Dinotefuran 8% + Diafenthiuron 48% WG**  
Hazard Class: 9  
Packing group: III  
Cargo Packing instructions:

## 15. REGULATORY INFORMATION

### U.S. Regulation :

SARA HAZARD CATEGORY :

Immediate (acute) health effects: yes  
Delayed (chronic) health effects: yes  
Reactive: yes  
This product contains the substances subject to the reporting requirements of SARA title 3, section 313 and 40 CFR part 372.

OSHA HAZARD COMMUNICATION STANDARD :

This product is a 'Hazardious Chemical' as define by OSHA hazard communication standard 29 CFR 1910.1200

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<b>Hazardous Products Act Information : CPR Compliance Australian Inventory of Chemical Substances (AICS)</b>	No data
<b>European Inventory of Existing Commercial Chemical Substances (EINECS)</b>	No data
<b>EU Directive 67/548/EEC for classification, packaging and labeling of dangerous substances</b>	No data

## 16. OTHER INFORMATION

### Legal disclaimer:

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