

## MATERIAL SAFETY DATA SHEET - DIFENMIDE 325 SC

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

#### AZOXYSTROBIN 200G/L + DIFENOCONAZOLE 125G/L SC

SUPPLIER NAME: Shandong Weifang Rainbow Chemical Co., Ltd.  
SUPPLIER ADDRESS: Binhai Economic Development Area, Weifang, Shandong 262737, China  
SUPPLIER PHONE: +86-531-88875230, 88875231  
SUPPLIER FAX: +86-531-88875232, 88875224  
CHEMICAL NAME: Azoxystrobin, Difenoconazole  
CAS NUMBER: 131860-33-8, 119446-68-3  
USE: Fungicide

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Azoxystrobin 200G/L Difenoconazole 125G/L

Other ingredients Up to 1L

### 3. HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION:

Classified as a hazardous chemical according to the Australian criteria for the classification of chemicals.

RISK PHRASES:

R20 Harmful by inhalation.

R37 Irritating to respiratory system

R43 May cause sensitization by skin contact.

### 4. FIRST - AID MEASURES

INHALATION: Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Call a physician or Poison Information Centre immediately.

SKIN CONTACT: Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.

EYE CONTACT: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses.

Immediate medical attention is required.

INGESTION: If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting.

NOTE TO PHYSICIAN: There is no specific antidote available. Treat symptomatically..

### 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide extinguisher

HAZARDOUS COMBUSTION PRODUCTS: This product contains combustible organic components that may burn and decompose during a fire producing dense black smoke containing hazardous products of combustion. Combustion products are toxic and /or irritant. Exposure to decomposition products may be a hazard to health.

SPECIAL FIRE FIGHTING PROCEDURES: When fighting a major fire wear self-contained breathing apparatus and protective equipment.

### 6. ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES:

In case of spillage it is important to take all steps necessary to avoid eye and skin contact and avoid contamination of waterways

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP:

Procedure for spill

- (1) Keep all bystanders away
- (2) Wear full length clothing and PVC gloves
- (3) Reposition any leaking containers so as to minimise further leakage
- (4) Dam and absorb spill with an absorbent material (eg sand or soil)
- (5) Shovel the absorbed spill into drums
- (6) Disposal of the absorbed material will depend upon the extent of the spill • For quantities up to 50 L of product bury in a secure landfill site
- For quantities greater than 50 L seek advice from the manufacturer (use emergency contact number below) before attempting disposal. Contain in a secure location until disposal method is established
- (7) Decontaminate spill area with detergent and water and rinse with the smallest volume of water practicable

## 7. HANDLING AND STORAGE

### HANDLING:

Harmful if inhaled. May irritate the eyes, nose and throat. Repeated exposure may cause allergic disorders. Avoid contact with the eyes. DO NOT inhale spray mist. Wash hands after use. After each days use wash gloves, respirator (and if rubber was with detergent and warm water) and contaminated clothing.

### STORAGE:

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### ENGINEERING CONTROLS:

No special requirements. Product is used outdoors.

### PERSONAL PROTECTIVE EQUIPMENT:

Harmful if inhaled. May irritate the eyes, nose and throat. Repeated exposure may cause allergic disorders. Avoid contact with the eyes. DO NOT inhale spray mist. When opening the container and mixing and loading the product wear:

- cotton overalls buttoned to the neck and wrist (or equivalent clothing)
- elbow-length chemical resistant gloves

When using the prepared spray by airblast or groundboom wear:

- cotton overalls buttoned to the neck and wrist (or equivalent clothing)
- elbow-length chemical resistant gloves
- half facepiece respirator

Wash hands after use. After each days use wash gloves, respirator (and if rubber was with detergent and warm water) and contaminated clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White flowable liquid.

ODOUR: Characteristic.

pH: 6.0 - 8.5

SOLUBILITY: Miscible with water. SPECIFIC

GRAVITY: 1.11 g/cm<sup>3</sup> at 20 °C FLAMMABILITY:

Not flammable.

CORROSIVENESS: Not corrosive

## 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable at normal ambient temperature and pressure.

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion or thermal decomposition will evolve toxic and irritant vapours.

HAZARDOUS POLYMERIZATION: Will not occur.

## 11. TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY: LD50 = 2500 mg/kg.

ACUTE DERMAL TOXICITY: LD50 = >2000 mg/kg.

EYE IRRITATION: NOT IRRITANT

SKIN IRRITATION: NOT IRRITANT

INHALATION: Tests on rats indicate this product is harmful due to inhalation of undiluted product. LC50 (4h) = 1.35 mg/L air

SENSITIZATION: NOT SENSITISER

## 12. ECOLOGICAL INFORMATION

ECOTOXICITY:

Moderately toxic to fish: LC50 *Oncorhynchus mykiss* (rainbow trout), 1.76 mg/L, 96 h LC50 *Cyprinus carpio* (Carp), 4.2 mg/L, 96 h

Highly toxic to algae: EC50 *Pseudokirchneriella subcapitata* (green algae), 0.59 mg/L, 72 h

Moderately toxic to certain aquatic invertebrates: EC50 *Daphnia magna* (Water flea), 1.1 mg/L, 48 h

Slightly toxic to soil dwelling organisms: LC50 >1500 mg/kg soil in earthworm

Non toxic to bees: Oral LD50 > 500 µg/bee, Contact LD50 >1800 µg/bee PERSISTENCE AND

DEGRADABILITY:

Azoxystrobin is stable in water and is not persistent in soil. Difenconazole is persistent in water and is not persistent in soil.

## 13. DISPOSAL CONSIDERATIONS

Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging to an approved waste management facility. DO NOT burn empty containers or product.

## 14. TRANSPORT INFORMATION

SEA TRANSPORT: IMDG

UN Number: 3082

Class: 9

Packing Group: III

Marine Pollutant: Yes

AIR TRANSPORT: IATA - DGR

UN Number: 3082

Class: 9

Packing Group: III

Marine Pollutant: Yes

## 15. REGULATORY INFORMATION

Poisons Schedule (SUSDP): 5



## 16. OTHER INFORMATION

In case of emergency, please contact:

M/s. Hextar Chemicals Sdn Bhd.

Lot 5, Jalan Perigi Nenas 7/3, Fasa 1A,

Pulau Indah Industrial Park, 42920

Pelabuhan Klang, Selangor Darul Ehsan, Malaysia.

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**Updated on:** September, 2021

