



IVORYCHEM PTE LIMITED
15 Beach Road #02-09, Beach Centre
Singapore 189677
Tel: +65 – 6337 7765
Fax: +65 – 6337 7730
Email: contact@ivorychem.com
Web: www.ivorychem.com
Co. Registration No. 200405572W
GST Registration No. 200405572W

MATERIAL SAFETY DATA SHEET

CONTAZOLE 5 EC Fungicide

Version: Global
Date Approved:
Revision No: 1

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: CONTAZOLE 5 EC Fungicide
ACTIVE INGREDIENT: Hexaconazole
CHEMICAL FAMILY: NA
MOLECULAR FORMULA: NA

MANUFACTURER

IVORYCHEM PTE LTD
15 Beach Road, #02-09
Beach Centre
Singapore 189677
Tel: +65 63377765
Fax: +65 63377730

Emergency Telephone Numbers:

Emergency Phone 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
Hexaconazole	79983-71-4	5%	None	None	None
Other Ingredient		95%	None	None	None

HAZARDS IDENTIFICATION

Potential Health Effects: Emergency Overview

Human

Eyes: Can cause temporary mild irritation.

Skin Can cause a slight irritation on more sensitive areas (face, eyes, and mouth)

Ingestion: Can cause stomach irritation resulting in nausea, cramps and vomiting. Large doses may cause nasal and respiratory irritation.

Inhalation: Excessive Inhalation can cause nasal and respiratory irritation.

Ecological: Slight toxic to fish and aquatic life.

FIRST AID MEASURES



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Eye: Hold eyelids open and flush with copious amounts of water for 15 minutes. Call a physician if irritation develops or persists after flushing.

Skin: Carefully remove contaminated clothing. Wash affected area with soap and water. Seek medical aid if at all worried.

Ingestion: Wash out mouth with water. Induce vomiting only if medical treatment is not readily available, and if the patient is fully conscious and also the time since ingestion is less than one hour. Drink one or two glasses of water and induce vomiting by touching back of throat.

Inhalation: If inhaled, remove to fresh air and keep at rest. Obtain medical aid if at all worried.

FIRE FIGHTING MEASURES

Flammable properties:

Flash point: >40°C

Extinguishing Media:

Water spray, foam, dry powder, carbon dioxide or sand.

Protective Equipment for fire-fighting:

Do not breathe fumes, wear self contained breathing apparatus.

Fire Fighting Instructions:

Remove all ignition sources. Use a full faced self containing breathing apparatus along with full protective gear. Keep near by containers and equipment. Cool with a water stream. Contain the run off if possible for proper disposal.

ACCIDENTAL RELEASE MEASURES

Personal Precaution:

Avoid contact with spilled material or contaminated sources. If ordinary clothing becomes contaminated remove it immediately. When dealing with the spillage do not eat, drink or smoke and wear personal protective clothing.

Small Spill:

Shut off ignition sources. Stop release Dike or contain release and access to the release area. Take actions to reduce vapour dilute with absorbent materials like sand/saw dust. Clean spill areas of residues and absorbent.

Large spill:

Shut off ignition sources stop release dike or contain release. Isolate and control access to the release area. Take action to reduce vapors. Collect product in to drums and clear spellers.

HANDLING AND STORAGE

Handling:

Wear chemically impervious gloves such as neoprene or nitrile. Wear safety glasses/goggles or face shield. Use mechanical ventilation should be used when handling this product in enclosed spaces. Read and observe all precautions and instructions on the label.

Storage:

Store in original containers, up right and closed. Store in areas that are cool, dry and well-ventilated. Store away from seeds, fertilizers and animal feed stuffs.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Mechanical ventilation should be used when handling this product in enclosed spaces.



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Respiratory Protection: NIOSH approved organic vapor respirator in absence of mechanical ventilation.

Hand Protection: Wear chemical resistant PVC or nitrile gloves.

Eye Contact: Wear safety glasses, goggles and face shield.

Other: Wear PVC or chemical resistant, disposable overalls and PVC boots.

PHYSICAL AND CHEMICAL PROPERTIES

Assay: "Hexaconazole" 50 ± 2.5 g/L

Appearance: Clear Yellow Liquid free of visible impurities

Density: 0.9846 – 1.1046 Kg/L

Flash Point: $>40^{\circ}\text{C}$

Water contents: <0.5 g/Kg

Acidity as H_2SO_4 : <5.0 g/Kg

Solubility in Water: Forms Emulsion

STABILITY AND REACTIVITY

Stability: Stable for two years at temperature not exceeding 35°C

Incompatibility: Strong acidic / alkaline materials

Hazardous polymerization: will not occur.

Hazardous Decomposition products: Not applicable at ambient temperature.

TOXICOLOGICAL INFORMATION

Toxicology Data: (Technical)

Eye: Mild irritation to eyes (rabbit).

Skin: No irritation to skin (Rabbit), moderate skin sensitizer (guinea pig).

Acute dermal LD50: >2000 mg/kg (rat)

Acute Oral LD50: 2189 mg/kg (male rat)

Acute Oral LD50: 6071 mg/kg (female rat)

Inhalation: LC50 (4 h) >5.9 mg/l. (rat)

Carcinogenicity: Non Carcinogenic

Reproduction: No teratogenic effects

Mutagenicity: Non mutagenic. Did not cause any chromosomal effects. Did not cause any DNA single strand damage.

ECOLOGICAL INFORMATION

Persistence in environment: Slightly mobile in soil and non persistent in aquatic organisms

Toxic effects on organisms: (Technical)

Fish LC50 96 h: 5.94 mg/l (mirror carp)

3.4 mg/l (Rainbow Trout)

Daphnia LC50 (48h) 2.9 mg/l

Acute LD50 Bees: >0.1 mg/bee. (Oral and contact)

Birds: Acute oral LD50: >4000 mg/kg (Mallard ducks)

DISPOSAL CONSIDERATIONS

Product Disposal:

Disposal of product will usually be by incineration in an appropriate licensed commercial incinerator. Advice may be obtained from local waste regulation authorities.

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Container Disposal:

Lightly contaminated packaging may be accepted for land fill, otherwise incineration is required.

TRANSPORT INFORMATION

UN. No: UN 2903

Proper Shipping Name: Pesticide, liquid, toxic, flammable, N.O.S, flash point \geq 23°C

Class: 6.1

Classification Code:TF2

Packing group: III

Subsidiary Risks: 6.1 + 3

Special provisions:61

Limited quantities:LQ19

Packaging:

Packing instructions P001, IBC03, R001

Mixed Packaging Provisions MP15

Instructions T7

UN Portable tanks:

Special Provisions TP2

Tank Code L4BH

ADR Tank

Special Provision TU15 TE1 TE15 TE19

Vehicle for tank carriage FL

Transport Category 2

Special provision carriage

Loading, unloading & Handling CV13 CV28

Operation S2 S9

Hazard Identification 63

REGULATORY INFORMATION

Active ingredient Name: Hexaconazole

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