

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : Hexaconazole Technical

CAS No : 79983-71-4 Use : Fungicides

Company Info : M/s HPM Chemicals & Fertilizers Ltd

209-210, Anupam Bhawan, Commercial Complex

Azadpur, Delhi-110033

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info@hpmindia.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

CompositionConcentrationHexaconazole a.i.95.00% min.Other associates impurities05.00% max

3. HAZARDS IDENTIFICATION OF PREPARATION

Packaging group – III UN No. 2588 UN Hazard Class:6.1

4. FIRST AID MEASURES

Skin Contact: Remove contaminated clothing and shoes immediately.

Wash contaminated area with soap or mild detergent and large amount of water until no effects of chemical remains. If

symptoms persists get medical help.

Eye Contact : Irrigate the eyes with large amount water or normal saline

occasionally lifting upper and lower lids until no evidence of

chemical remains and obtain a medical help.

Ingestion: Remove by gastric lavage and catharsis, maintain blood

pressure and airway, Give oxygen if respiration is

depressed. Do not perform gastric lavage if victim is victim is

unconscious. Get medical attention immediately.

Inhalation: Remove the patient from the exposure area to fresh air

immediately. If breathing has stopped perform the artificial

respiration. Keep person warm and rest. Get medical

attention immediately.

Company: HPM Chemicals & Fertilizers Ltd.

Website: www.hpmindia.com

Page No. 1



5. ACCIDENTIAL RELEASE

Personal Preparation
Environmental Precautions

Avoid contact with skin, eyes and clothing.Prevent contamination of soil, drains and

surface water.

Method of cleaning

Absorb the material in the sand, soil, diatomaceous earth or suitable absorbent. Place in suitable material and remove to safe place or dispose of in

an incinerator approved for chemicals.

6. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Dry chemical, CO2, Water spray, standard foam.

For larger fire, use water spray, fog or standard

foam.

Exposure Hazards : During a fire, irritating and possibly toxic gases like

carbon dioxide; carbon monoxide; nitrogen oxides;

sulfur dioxide; hydrogen chloride; may be

generated by thermal decomposition or combustion

Fire-Fighting : Use dry chemical, foam or CO2 extinguishing

media. Wear full protective clothing and selfcontained breathing apparatus. Evacuate non essential personnel from the area to prevent human

exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings,

area, and equipment until decontaminated. Water runoff can cause environmental damage. If water is

used to fight fire, dike and collect runoff.

7. HANDLING AND STORAGE

Handling : Use appropriate (impervious) clothing, gloves and closed

foot ware to prevent the repeated contact with skin. Use flash proof and dust resistant goggles to prevent the

contact with eyes.

Storage : Keep the product in original container tightly closed and

correctly labeled. Store in suitable, cool, dry, well ventilated

place under lock and key; away from the reach of the children, animals, food and animal feeding stuffs. Store away from the incompatible substances and source of

ignition

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Website: www.hpmindia.com

Page No. 2



8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Technical protective measures: None

Exposure controls limits:Not EstablishedRespiratory protection:Wear suitable maskHand protection:Wear impervious gloves

Eye protection : Wear flash proof and dust resistant goggles.Skin protection : Wear impervious clothing and closed foot ware.

9. PHYSICAL AND CHEMICAL PROTERITES

Appearance	White Crystalline solid	Melting Point	111.5ºC
Odour	Odourless	Density	1.29g/ml at 25°C
Oxidizing property	Non Oxidizing Agent.	Autoflammability	Non-Flammable.
Density	1.3 g/ml (25 °C)	PH	6.95
Explosive properties	Non-explosive	Vapour pressure	0.018 mPa at 20°C
Flammability	Non Flammable	Solubility in water	0.016 g/l at 20°C
Auto ignition	None	Vapour pressure	5.6 x 10 ⁻² mPa (20°C)

10. STABILITY AND REACTIVITY

Thermal Stability: Stable to heat.

Conditions to avoid: Direct source of heat/open flames.

Material to avoid : Alkaline material

Hazardous: During a fire, irritating and possibly toxic gases like carbon dioxide; carbon monoxide; nitrogen oxides; sulfur dioxide;

Products hydrogen chloride; may be generated by thermal

decomposition or combustion.

11. TOXICOLOGICAL INFORMATION

Acute LD₅₀ Oral, Mice > 2000 mg/kg b w WHO Class II

Company: HPM Chemicals & Fertilizers Ltd.

Page No. 3

Website: www.hpmindia.com



Acute LD₅₀ Dermal, Rabbit > 2000 mg/kg body weight

Acute (4h) LC50 Inhalation 3.36 mg/l

Eye Irritation Test. Mildly irritating to Rabbit Eye. Skin Irritation Test Non irritation to Rabbit Skin.

Skin Sensitization Moderately skin sensitizing agent to skin of Guinea Pig.

Carcinogenicity Non Carcinogenic.

Mutagenic Non Mutagenic.

Reproductive Toxicity No effect on reproduction.

12. ECOLOGICAL INFORMATION

LC50 (96 h) for Common carp 5.94 mg/l. EC50 (48 h) for Daphnia 2.9 mg/litre Acute Oral LD $_{50}$ for Mallard Duck > 4000 mg/kg. Bee Toxicity LD $_{50}$ (Contact and oral) > 0.1 mg/bee.

% Biodegradability Slow biodegradation.

Sewage Toxicity Non-toxic

13. DISPOSAL CONSIDERATION

Incineration or landfill in accordance with local regulations. Contaminated packing material should be treated as the product.

14. TRANSPORT INFORMATION

Proper shipping name. Pesticide Solid, Toxic NOS

UN Number 2588
Marine Pollutant Yes
Class 6.1

Flash Point Non flammable

Hazard Label TOXIC
Packing Instruction P002
EMS No. F-A, S-A

First Aid Code NA

15. REGULATORY INFORMATION

Company: HPM Chemicals & Fertilizers Ltd. Page No. 4

Website: www.hpmindia.com



Classification Toxic

Risk Phrases R51: Toxic to aquatic organisms.
Safety S2: Keep out of the reach of children

Phrases S13: Keep away from food, drink and animal feeding stuffs

S20/21: When using do not eat, drink or smoke

S46: If swallowed, seek medical advice immediately and show this

container or label

S61: Avoid release to the environment. Refer to special

instructions/Safety data sheets.

16. OTHER INFORMATION

Incompatible with the alkaline material.

Antidote: No specific antidote is available. Treat the patient symptomatically and supportively.

This product should be stored, handled and used in accordance with good industrial practices and in conformity with legal regulation.

This information is based on present knowledge for your guidance on safety requirements. It is not intended as a specification.

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