

1: IDENTIFICATION

Chemical Name	Captan: N-[(trichloromethyl)thio]-4-cyclohexene-1, 2-dicarboximide Hexaconazole: (RS)-2-(2,4-dichlorophenyl)-1-(1H-1,2,4-triazol-1-yl)hexan-2-ol		
Synonyms	Captan 70% + Hexaconazole 5% WP	Trade Name CAPASITY	
Uses	Fungicide	Molecular Formula C ₉ H ₈ Cl ₃ NO ₂ S + C ₁₄ H ₁₇ Cl ₂ N ₃ O	
Manufacturer/ Supplier	Ulink AgriTech Pvt. Ltd. Office Nos. 001 And 002, Ground Floor Wing “A” And Nos. 003 And 004 Ground Floor Wing “B”, Nyati Tech Park, Wadgaon Sheri, Pune - 411014, Maharashtra		
Emergency Contact	9503095030	E-mail	info@agrostar.in

2: COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Name	CAS #	Percent or Content (w/w)
Captan	0133-06-2	70.00%
Hexaconazole	79983-71-4	5.00%
Other Ingredients	-	25.00%

3: HAZARD IDENTIFICATION

Physical/Chemical Hazard:	Captan: Acute Tox. 3, Aquatic Acute 1, Skin Sens. 1, Eye Dam. 1 Hexaconazole: Acute Tox. 4, Skin Sens. 1, Aquatic Chronic 2	
Human Health Hazard:	H 318 May cause irreversible eye damage	H 317 May cause sensitization by skin contact
Environmental Hazard:	H 400 Very toxic to aquatic life	

4: FIRST AID MEASURES

General: Have the product container, label or safety data sheet while seeking medical attention, a poison control center or physician, or going for treatment.

Inhalation: Move patients to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing is difficult, treat with artificial respiration and oxygen. Immediately seek medical attention if symptoms are severe or persist

Ingestion: Rinse mouth with water thoroughly and give plenty of water to drink. Induce vomiting by touching the back of the throat with finger. Never give anything by mouth to an unconscious person. Seek medical attention or poison control center immediately and show this container or label.

Skin Contact: In case of contact with product, remove contaminated clothes and wash exposed skin area with plenty of water and soap immediately. Seek medical attention if irritation persists.

Eye Contact: Rinse immediately with plenty of water for several minutes. After 5 minutes remove contact lenses if present and continue rinsing with plenty of water. Continue to rinse with eyelid wide open for at least 15-20 minutes. Seek medical attention if irritation develops.

Note to physician: No specific Antidote. Treat symptomatically.

5: FIRE FIGHTING MEASURES

Extinguishing Media: Water spray or fog, alcohol-resistant foam, dry chemical powder or carbon dioxide

Unsuitable Extinguishing Media: Water jet

Specific Hazards: In case of fire, toxic and irritating fumes may released.

Hazardous Thermal (de)composition: The decomposition products are toxic and irritating fumes/vapors.

Special Procedures: Collect extinguishing water separately and do not discharge into the drain or water bodies. If risk of water pollution occurs, notify appropriate authorities. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Protection of Fire Fighters: Do not breathe a fumes, Wear fire/ flame resistant/retardant clothing. Do not enter fire area without proper protective equipment, including respiratory protection.

6: ACCIDENTAL RELEASE MEASURES

Personal Precaution: Ensure adequate ventilation. Avoid contact with the skin, eyes and clothing. Use personal protective equipment. Evacuate personnel to safe areas and keep them away from and upwind of spill/leak.

Environmental Precaution: Do not allow runoff to enter drains and public waters. Notify the authorities if product enters.

Methods for Cleaning-up: Cover spillages with moist sand, soil, sawdust or other absorbent material. Collect and transfer into waste disposal containers. Clean contaminated floors and objects thoroughly with water and detergents. Dispose of in accordance with local regulations.

7: HANDLING & STORAGE

Handling: Do not smoke, drink, or eat during handling. Wash hands and other exposed areas with mild soap and water before and after handling material. Wear protective equipments to avoid contact and/or inhalation with the product. Wash clothing and equipment before reuse. Good personal hygiene procedures must be practiced.

Specific Conditions: Good local exhaust ventilation.

Storage: Store in dry, cool, well-ventilated area. Keep in original container and tightly closed when not in use. Keep product away from children, seeds, fertilizer, foods and animal feeds.

8: EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures: Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice.

General Protection: Avoid breathing dust, vapours or aerosols. Avoid contact with eyes and skin. While handling the product wear cotton overalls buttoned to the neck and wrist, elbow-length PVC gloves. After use and before eating, drinking and smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves and contaminated clothing.

Personal Protection: Follow all precautions and instructions on the label. In all other cases the following recommendations would apply.

Respiratory Protection: Wear NIOSH/MSHA approved respiratory protection equipment if exposure to levels above the occupational exposure limit. When used outdoors, engineering controls are not necessary.

Skin Protection: Wear suitable protective clothing, including long sleeved shirt, long pants, gloves, coveralls, and boots to avoid skin contact.

Hand Protection: Chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyvinyl chloride (PVC) or Viton.

Eye Protection: Safety goggles, chemical splash goggles or face shield should be used. Safety showers and eyewash should be easily available.

Others: Wash clothing before reusing.

9: PHYSICAL/CHEMICAL PROPERTIES

Appearance: Powder

Physical State: Solid

Odour: No data available

Colour: Off white

Acidity: 0.1% Max

Solubility in water: Dispersible

10: STABILITY & REACTIVITY

Stability: Stable upto 2 years under normal circumstances.

Conditions to Avoid: No data available

Hazardous Decomp. Products: On combustion or thermal decomposition, toxic and irritating fumes/vapors may be released.

Materials to Avoid: No data available

11: TOXICOLOGICAL INFORMATION

Rat oral LD50 [mg/kg]: >2000

Rat inhalation LC50 [mg/l/4h]: >2.70

Skin irritation (rabbit): Mild irritant

Dermal (rat) LD50 [mg/kg]: >2000

Skin Sensitization (Guinea Pig): Moderate sensitizer

Eye irritation (rabbit): Severe/very severe irritant

12: ECOLOGICAL INFORMATION

Ecotoxicity:

Mallard duck LC50 (96 hrs)[mg/L]: >2000

Daphnia magna EC50(48 hrs) [mg/L]: 4.7

Green algae ECr50 (72 hrs)[mg/L]: >1.6

Bio-accumulation Potential: Low potential for bioaccumulation

Persistence, Degradability and Mobility in soil: Rapidly hydrolyzed in natural waters (DT50 < 24 hrs). Does not volatilize from soil. Does not readily leach into groundwater

13: DISPOSAL CONSIDERATION

Waste-disposal Procedures: Dispose of this product only according to the label. Do not contaminate drains, streams, rivers or waterways with the chemical or used container. Break, crush, or puncture and dispose to waste management facility or dispose of in compliance with local regulations.

Contaminated Packaging: Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the product.

14: TRANSPORT INFORMATION

UN No. 3082

Proper Shipping Name: Environmentally Hazardous Substance, solid, N.O.S (contains Captan 70% and Hexaconazole 5%). RQ

Land Transport (ADR/RID): Class-9, Packing Group-III

Sea Transport (IMO) (IMDG): Class-9, Packing group-III, Marine Pollutant-Yes

Air Transport (IATA / ICAO): Class-9 Packing group-III, Environmental hazard mark-Yes

15: REGULATORY INFORMATION

Hazard Symbol: Xn

Risk Phrase: R36, R40, R43

Safety Phrase: S2, S13, S20/21, S24, S26, S37/39

16: OTHER INFORMATION

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