



SAFETY DATA SHEET

Heksa 50SC

SDS # : FO001179-A
Revision date: 2021-10-27
Format: AP
Version 2

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name	Heksa 50SC
Product Code(s)	FO001179-A
Synonyms	HEXAICONAZOLE: (RS)-2-(2,4-dichlorophenyl)-1-(1H-1,2,4-triazol-1-yl)hexan-2-ol (IUPAC name); (±)-α-butyl-α-(2,4-dichlorophenyl)-1H-1,2,4-triazole-1-ethanol (CAS name) Xanthan Gum
Active Ingredient(s)	Hexaconazole
Chemical Family	Triazole
Recommended Use:	Fungicide
Restrictions on Use:	Use as recommended by the label.
Manufacturer/Supplier	FMC Corporation 2929 Walnut Street Philadelphia, PA 19104 (215) 299-6000 (General Information) SDS-Info@fmc.com (E-Mail General Information)
Emergency telephone	Medical Emergencies: 0800 140 1447 For leak, fire, spill or accidents: 001-803-017-9114 (CHEMTREC Indonesia) 1 703 741-5970 (CHEMTREC – International)

Section 2: HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity - Oral	Category 5
Acute toxicity - Dermal	Category 5
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Carcinogenicity	Category 2
Acute aquatic toxicity	Category 2
Chronic aquatic toxicity	Category 2

Label Elements



Signal Word:

WARNING

Hazard Statements

H303 - May be harmful if swallowed
H313 - May be harmful in contact with skin
H332 - Harmful if inhaled
H351 - Suspected of causing cancer
H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements - Prevention

P202 - Do not handle until all safety precautions have been read and understood
P281 - Use personal protective equipment as required
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P271 - Use only outdoors or in a well-ventilated area
P273 - Avoid release to the environment

Precautionary Statements - Response

P308 + P313 - If exposed or concerned: Get medical advice/attention
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P391 - Collect spillage

Precautionary Statements - Storage

P405 - Store locked up

Precautionary Statements - Disposal

P501 - Dispose of contents/container to an approved waste disposal plant

Other Information

No additional information available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms HEXACONAZOLE: (RS)-2-(2,4-dichlorophenyl)-1-(1H-1,2,4-triazol-1-yl)hexan-2-ol (IUPAC name);
(±)-α-butyl-α-(2,4-dichlorophenyl)-1H-1,2,4-triazole-1-ethanol (CAS name) Xanthan Gum

Chemical name	CAS-No	Weight %
Propylene glycol	57-55-6	6.5
Naphtha (petroleum), heavy aromatic	64742-94-5	7.5
Hexaconazole	79983-71-4	2.25

Section 4: FIRST AID MEASURES

Inhalation	Move to fresh air. If person is not breathing, contact emergency medical services, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a physician or poison control center immediately.
Skin Contact	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.
Eye Contact	Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.
Ingestion	Call a physician or poison control center immediately. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	None known.

Use personal protective equipment. See Section 8 for more detail.

Indication of immediate medical attention and special treatment Treat symptomatically.

needed, if necessary

Section 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Dry chemical, carbon dioxide, water spray or regular foam.
Unsuitable extinguishing media	No information available
Specific Hazards Arising from the Chemical	None known.
Protective equipment and precautions for firefighters	As in any fire, wear self-contained breathing apparatus and full protective gear.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions	In case of spill, avoid contact. Isolate area and keep out animals and unprotected persons. Avoid contact with skin, eyes and inhalation of vapors. Ventilate the area. Wear protective gloves/clothing and eye/face protection.
Other	For further clean-up instructions, call FMC Emergency Hotline number listed in Section 1 "Product and Company Identification" above.
Environmental Precautions	Keep material out of lakes, streams, ponds, and sewer drains.
Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Section 7: HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. Do not eat, drink or smoke when using this product. Use personal protective equipment. Always wear a self-contained breathing apparatus or full-face airline respirator when using this chemical.
Storage	Keep in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children and animals. Keep/store only in original container.
Materials to avoid	Alkalis. Oxidizing agents. None known

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Component	China	Japan	Korea	Australia	Taiwan
Propylene glycol 57-55-6 (6.5)				TWA 150 ppm TWA 474 mg/m ³ TWA 10 mg/m ³	

Engineering measures	Ensure adequate ventilation, especially in confined areas.
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Personal protective equipment

Respiratory Protection	For dust, splash, mist or spray exposures wear a elastomeric full-face or half mask respirator with appropriate cartridges and/or filters which is approved for pesticides (U.S. NIOSH/MSHA, EU CEN or comparable certification organization).
Hand Protection	Protective gloves.
Eye/Face Protection	For dust, splash, mist or spray exposure, wear chemical protective goggles.

Skin and Body Protection	Wear long-sleeved shirt, long pants, socks, and shoes.
Hygiene measures	Clean water should be available for washing in case of eye or skin contamination. Wash skin prior to eating, drinking, chewing gum or using tobacco. Shower or bathe at the end of working. Remove and wash contaminated clothing before re-use. Launder work clothing separately from regular household laundry.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	White Viscous Liquid
Odor	No information available
Color	White
Odor threshold	No information available
pH	No information available
Melting point/freezing point	No information available
Boiling Point/Range	No information available
Flash point	No information available
Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor pressure	No information available
Vapor density	No information available
Specific gravity	No information available
Water solubility	No information available
Solubility(ies)	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity, kinematic	No information available
Viscosity, dynamic	No information available
Molecular weight	No data available
Relative density	1.02
Bulk density	No information available
K_{st}	>0 bar m/s

Section 10: STABILITY AND REACTIVITY

Reactivity	Not applicable
Stability	Stable under recommended storage conditions
Hazardous reactions	None under normal processing.
Hazardous polymerization	Hazardous polymerization does not occur.
Conditions to Avoid	Temperatures above 35°C.
Incompatible products	. None known.
Hazardous Decomposition Products	None under normal use.

Section 11: TOXICOLOGICAL INFORMATION

Acute toxicity

Numerical measures of toxicity - Product Information

LD50 Oral 4866 mg/kg (rat)
 LD50 Dermal > 2000 mg/kg (mouse)
 LC50 Inhalation (dust) > 1.86 mg/L (rat)

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation (vapor)
Propylene glycol (57-55-6)	20000 mg/kg (Rat)	20800 mg/kg (Rabbit)	
Naphtha (petroleum), heavy aromatic (64742-94-5)	300-2000 mg/kg	> 2 mL/kg (Nyúl)	>5,2 mg/L
Hexaconazole (79983-71-4)	= 2189 mg/kg (Rat) = 2198 mg/kg (Rat)	> 2 g/kg (Rat) > 2000 mg/kg (Rat)	> 5.9 mg/L (Rat) 4 h

Skin corrosion/irritation Slightly irritating (rabbit).
 Serious eye damage/eye irritation Severely irritating (rabbit).
 Sensitization Non-sensitizing.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Mutagenicity No information available.
 Carcinogenicity Not recognized as carcinogenic by Research Agencies (IARC, NTP, OSHA, ACGIH)
 Reproductive toxicity No information available.
 STOT - single exposure No information available.
 STOT - repeated exposure No information available.
 Aspiration hazard No information available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Toxic to aquatic life with long lasting effects.

Persistence and degradability No information available.
 Bioaccumulation No information available.
 Mobility No information available.
 Other Adverse Effects No information available.

Section 13: DISPOSAL CONSIDERATIONS

Waste disposal methods Dispose of in accordance with local regulations.
 Contaminated containers and packages Dispose of in accordance with federal, state and local regulations.

Section 14: TRANSPORT INFORMATION

IMDG/IMO

UN/ID no UN3082
 Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s.(Hexaconazole)

Hazard class 9
 Packing Group III
 EmS No. F-A, S-F
 Environmental Hazards Yes

ICAO/IATA

UN/ID no UN3082
 Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s.(Hexaconazole)
 Hazard class 9
 Packing Group III
 Environmental Hazards Yes

Section 15: REGULATORY INFORMATION

International Inventories

A food, food additive, drug, cosmetic, or device, when manufactured, processed or distributed in commerce for use as a food, food additive, drug, cosmetic, or device may not be subject to local notification requirements. Check local regulations for more information.

Chemical name	TSCA (United States)	DSL (Canada)	EINECS/ELINCS (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)
Propylene glycol 57-55-6	X	X	X	X	X	X	X	X
Naphtha (petroleum), heavy aromatic 64742-94-5	X	X	X		X	X	X	X
Hexaconazole 79983-71-4			X	X		X		

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

Section 16: OTHER INFORMATION

Prepared By: FMC Corporation

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Revision note SDS sections updated.

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End of Safety Data Sheet