

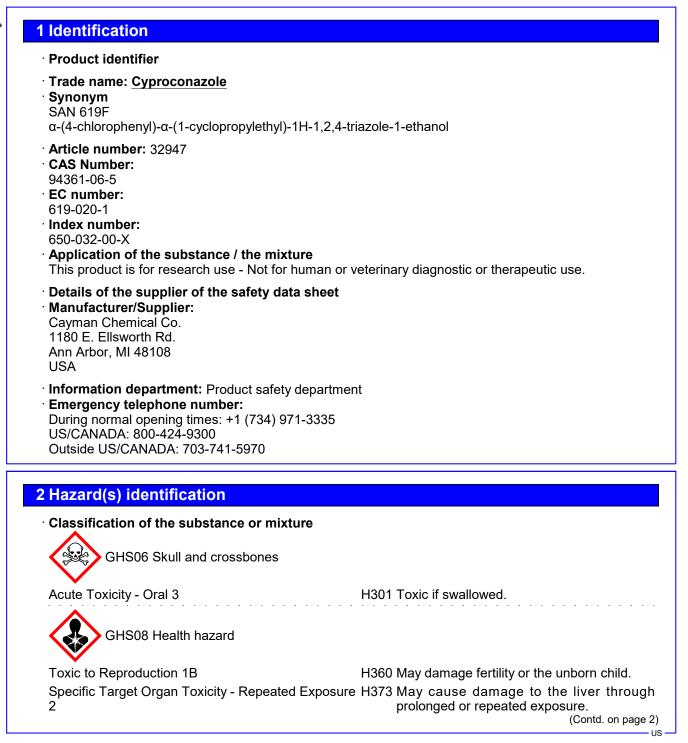
Safety Data Sheet

acc. to OSHA HCS

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Trade name: Cyproconazole

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\wedge		
	9 Environment	
Aquatic Acute 1		H400 Very toxic to aquatic life.
Aquatic Chronic		
Aquatic Chronic		H410 Very toxic to aquatic life with long lasting effects.
		enecis.
· Label elements	S	
GHS label elen	-	
		the Globally Harmonized System (GHS).
· Hazard pictogi		
nazaru pictogi	ans	
	¥.	
GHS06 GHS	08 GHS09	
· Signal word Da	ander	
· Hazard statem		
H301 Toxic if s		
	age fertility or the unborn child.	
	e damage to the liver through prolon	and or repeated expegure
	to aquatic life with long lasting effect	lS.
· Precautionary		
	tain special instructions before use.	
	not handle until all safety precaution	
	not breathe dust/fume/gas/mist/vapo	ors/spray.
P264 Wa	ash thoroughly after handling.	
P270 Do	not eat, drink or smoke when using	this product.
P273 Ave	oid release to the environment.	
P280 We	ear protective gloves/protective clothi	ng/eye protection/face protection.
	wallowed: Immediately call a poison	
	ecific treatment (see on this label).	
	ise mouth.	
	exposed or concerned: Get medical a	advice/attention
	t medical advice/attention if you feel	
	llect spillage.	
	pre locked up.	
		ordance with local/regional/national/international
	•	ordance with local/regional/national/international
	julations.	
Classification		
 NFPA ratings ((scale 0 - 4)	
A		
	ealth = 2	
	re = 0	
Re V Re	eactivity = 0	
• • •		
 HMIS-ratings (scale 0 - 4)	
HEALTH *2	L 14b * O	
	lealth = *2	
	ire = 0	
REACTIVITY 0 F	Reactivity = 0	
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- · Other hazards
- Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- · **vPvB:** Not applicable.

3 Composition/information on ingredients

- Chemical characterization: Substances
- · CAS No. Description
- 94361-06-5 Cyproconazole
- Identification number(s)
- · EC number: 619-020-1
- · Index number: 650-032-00-X

4 First-aid measures

- · Description of first aid measures
- · General information:
- Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

In case of irregular breathing or respiratory arrest provide artificial respiration.

- After inhalation: In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: Do not induce vomiting; immediately call for medical help.
- · Information for doctor:
- · Most important symptoms and effects, both acute and delayed
- No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed** No further relevant information available.

5 Fire-fighting measures

- Extinguishing media
- Suitable extinguishing agents: Use fire fighting measures that suit the environment.
- A solid water stream may be inefficient.
- Special hazards arising from the substance or mixture No further relevant information available.
- Advice for firefighters
- · Protective equipment: No special measures required.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures Not required.
- Environmental precautions: Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up: Dispose contaminated material as waste according to section 13.

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Reference to other sections
 See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.

- Protective Action Criteria for Chemicals
- · PAC-1: Substance is not listed.
- · PAC-2: Substance is not listed.
- **PAC-3:** Substance is not listed.

7 Handling and storage

- · Handling:
- · Precautions for safe handling Thorough dedusting.
- · Information about protection against explosions and fires: No special measures required.
- Conditions for safe storage, including any incompatibilities Keep container tightly closed.

Store in accordance with information listed on the product insert.

- · Storage: Store in accordance with information listed on the product insert.
- Requirements to be met by storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: None.
- Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

• Additional information about design of technical systems: No further data; see section 7.

- · Control parameters
- Components with limit values that require monitoring at the workplace: Not required.
- Additional information: The lists that were valid during the creation were used as basis.
- · Exposure controls
- · Personal protective equipment:
- General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately.
- Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

• Eye protection:



Tightly sealed goggles

9 Physical and chemical properties · Information on basic physical and chemical properties General Information · Appearance: Form: Crystalline Color: Not determined. · Odor: Characteristic · Structural Formula C15H18CIN3O 291.8 g/mol · Molecular Weight · Odor threshold: Not determined. · pH-value: Not applicable. · Change in condition Melting point/Melting range: Undetermined. **Boiling point/Boiling range:** Undetermined. · Flash point: Not applicable. · Flammability (solid, gaseous): Product is not flammable. · Decomposition temperature: Not determined. · Ignition temperature: Not determined. Danger of explosion: Product does not present an explosion hazard. · Explosion limits: Lower: Not determined. Upper: Not determined. · Vapor pressure: Not applicable. · Density: Not determined. · Relative density Not determined. · Vapor density Not applicable. · Evaporation rate Not applicable. · Solubility in / Miscibility with Water: Not determined. · Partition coefficient (n-octanol/water): Not determined. · Viscosity: **Dynamic:** Not applicable. (Contd. on page 6)

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Kinematic: SOLUBILITY	Not applicable. DMF: 30 mg/ml; DMSO: 30 mg/ml; DMSO:PBS (pH 7.2) (1: 5): 0.16 mg/ml; Ethanol: 1 mg/ml
Other information	No further relevant information available.

10 Stability and reactivity

- · Reactivity No further relevant information available.
- · Chemical stability
- Thermal decomposition / conditions to be avoided:
- No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: strong oidizing agents
- · Hazardous decomposition products: carbon oxides; hydrogen chloride; nitrogen oxides

11 Toxicological information

- · RTECS Number XZ4803250
- · Information on toxicological effects
- · Acute toxicity:
- · LD/LC50 values that are relevant for classification:

Oral LD50 200 mg/kg (rat)

- OECD TG 401, Hamburger 1984
- Primary irritant effect:
- · on the skin: No irritant effect.
- on the eye: No irritating effect.
- · Sensitization: No sensitizing effects known.
- · Additional toxicological information:
- · Carcinogenic categories
- · IARC (International Agency for Research on Cancer) Substance is not listed.
- · NTP (National Toxicology Program) Substance is not listed.
- · OSHA-Ca (Occupational Safety & Health Administration) Substance is not listed.

12 Ecological information

- · Toxicity
- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- Ecotoxical effects:
- · Remark: Very toxic for fish
- Additional ecological information:
- · General notes:

Water hazard class 3 (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

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Danger to drinking water if even extremely small quantities leak into the ground. Also poisonous for fish and plankton in water bodies. Very toxic for aquatic organisms • Results of PBT and vPvB assessment

- · **PBT:** Not applicable.
- vPvB: Not applicable.

· Other adverse effects No further relevant information available.

13 Disposal considerations

· Waste treatment methods

· Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packagings:

• **Recommendation:** Disposal must be made according to official regulations.

UN-Number	
DOT, IMDG, IATA	UN2811
UN proper shipping name	
DOT	Toxic solids, organic, n.o.s. (Cyproconazole)
IMDG	TOXIC SOLID, ORGANIC, N.O.S. (Cyproconazole)
ΙΑΤΑ	Toxic solid, organic, n.o.s. (Cyproconazole)
Transport hazard class(es)	
DOT	
TOXIC 6	
Class	6.1 Toxic substances
Label	6.1
IMDG, IATA	
Class	6.1 Toxic substances
Label	6.1
Packing group	
DOT, IMDG, IATA	III
Environmental hazards:	Environmentally hazardous substance, solid
Special precautions for user	Warning: Toxic substances
Hazard identification number (Keml EMS Number:	er code): 60 F-A,S-A

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· Stowage Category	A
 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	Not applicable.
· Transport/Additional information:	
· DOT · Quantity limitations	On passenger aircraft/rail: 100 kg On cargo aircraft only: 200 kg
 IMDG Limited quantities (LQ) Excepted quantities (EQ) 	5 kg Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
· IATA · Remarks:	When sold in quantities of less than or equal to 1 ml or 1 g, with an Excepted Quantity Code of E1, E2, E4, or E5, this item meets the De Minimi Quantities exemption, per IATA 2.6.10. Therefore packaging does not have to be labeled a Dangerous Goods/Excepted Quantity.
· UN "Model Regulation":	UN 2811 TOXIC SOLID, ORGANIC, N.O.S (CYPROCONAZOLE), 6.1, III, ENVIRONMENTALL HAZARDOUS

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.
- · Sara
- · Section 355 (extremely hazardous substances): Substance is not listed.
- · Section 313 (Specific toxic chemical listings): Substance is not listed.
- **TSCA (Toxic Substances Control Act):** Substance is not listed.
- · Hazardous Air Pollutants Substance is not listed.
- · Proposition 65
- Chemicals known to cause cancer: Substance is not listed.
- Chemicals known to cause reproductive toxicity for females: Substance is not listed.
- · Chemicals known to cause reproductive toxicity for males: Substance is not listed.
- · Chemicals known to cause developmental toxicity: Substance is not listed.
- · Carcinogenic categories
- EPA (Environmental Protection Agency) Substance is not listed.
- TLV (Threshold Limit Value) Substance is not listed.
- · NIOSH-Ca (National Institute for Occupational Safety and Health) Substance is not listed.
- · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

All chemicals may pose unknown hazards and should be used with caution. This SDS applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. Cayman Chemical Company assumes no responsibility for incidental or consequential damages, including lost profits, arising from the use of (Contd. on page 9)

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(Contd. from page these data. It shall be the user's responsibility to develop proper methods of handling and person protection based on the actual conditions of use. While this SDS is based on technical data judged be reliable, Cayman Chemical Company assumes no responsibility for the completeness or accuracy the information contained herein.	naÍ to
 Department issuing SDS: Environment protection department. Contact: - Date of preparation / last revision 11/09/2023 Abbreviations and acronyms: IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) LC50: Lethal concentration, 50 percent D50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic VPVB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health T.V: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit Acute Toxicity - Oral 3: Acute toxicity - Category 3 Toxic to Reproduction 18: Reproductive toxicity - Category 18 Specific Target Organ Toxicity - Repeated Exposure 2: Specific target organ toxicity (repeated exposure) - Category 2 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1 * Data compared to the previous version altered. 	
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