



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Hi-Yield® Captan 50W Fungicide

SECTION 1: Identification

Product identifier

Product name Hi-Yield® Captan 50W Fungicide

Product number 32109

Other means of identification

EPA # 19713-235-7401

Supplier's details

Name Voluntary Purchasing Groups, Inc.
Address 230 FM 87
Bonham, TX 75418
USA

Telephone 855-270-4776

Emergency phone number(s)

In the event of a medical or chemical emergency contact ChemTel, Inc.
North American 1-800-255-3924 or worldwide Intl. + 01-813-248-0585

SECTION 2: Hazard identification

Classification of the substance or mixture

- Carcinogenicity (chapter 3.6), Cat. 2
- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 1
- Acute toxicity, inhalation (chapter 3.1), Cat. 3
- Eye damage/irritation (chapter 3.3), Cat. 1
- Skin corrosion/irritation (chapter 3.2), Cat. 1

GHS label elements, including precautionary statements

Pictogram



Signal word

Warning

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Hazard statement(s)

H351	Suspected of causing cancer
H331	Toxic if inhaled
H318	Causes serious eye damage
H317	May cause an allergic skin reaction
H400	Very toxic to aquatic life
H314	Causes severe skin burns and eye damage

Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P405	Store locked up.
P501	Dispose of contents/container to ...
P273	Avoid release to the environment.
P391	Collect spillage.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P311	Call a POISON CENTER/doctor/...
P321	Specific treatment (see ... on this label).
P403+P233	Store in a well ventilated place. Keep container tightly closed.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash ... thoroughly after handling.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363	Wash contaminated clothing before reuse.
P310	Immediately call a POISON CENTER/doctor/...

SECTION 3: Composition/information on ingredients

Substances

Hazardous components

Component	Concentration
CAPTAN (CAS no.: 133-06-2; EC no.: 205-087-0; Index no.: 613-044-00-6)	Not specified

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice	Call a poison control center or doctor for treatment advice. Have the Safety Data Sheet, and if available, the product container or label with you when calling a poison control center or doctor, or going for treatment. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If breathing difficulties occur, seek medical attention immediately.
If inhaled	Move person to fresh air. If person is not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a poison control center or doctor for treatment advice.
In case of skin contact	Wash skin with soap and plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
In case of 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 eyes. Call a poison control center or doctor for treatment advice.
If swallowed	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a poison control center or doctor for treatment advice.
Personal protective equipment for first-aid responders	Respiratory Protection: NIOSH/MSHA approved for protection against toxic dusts containing quartz. Ventilation: General or local exhaust to maintain employee exposure below the TLV/PEL. Protective Gloves: PVC or Neoprene. Eye Protection: Safety glasses or goggles (ANSI Z87.1 1979) Other Protective Clothing or Equipment: Apron, boots, long sleeved shirt and full-length pants may be worn when necessary to prevent skin contact. Eye wash and shower facilities should be available.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Carbon dioxide, dry chemical, foam, water spray

Specific hazards arising from the chemical

Special protective actions for fire-fighters

Smoke may present unusual hazards. In an enclosed building wear self-contained breathing apparatus and protective clothing. Contain water runoff.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Refer to section 8 for PPE.

Environmental precautions

This material is toxic to fish. Do not contaminate waterways by cleaning of equipment or by disposal of wastes. Untreated effluent should not be discharged where it will drain into lakes, streams, or ponds.

Methods and materials for containment and cleaning up

Sweep up or vacuum spilled material being careful not to create dust, and shovel sweepings into an open drum. Generously cover the contaminated areas with common, household detergent. Using a stiff brush and small amounts of water, work the detergent into the remaining spilled material forming a slurry. Brush the slurry into cracks and crevices and allow to stand for 2-3 minutes. Be careful to completely avoid skin or eye contact. Do not splatter on oneself or bystanders.

Spread absorbents on the slurry liquid and shovel mixture into the open drum.

Repeat if necessary. If practical, flush the area with water to a sewer serviced by a wastewater treatment facility.

Seal drum and dispose of contaminated material in a landfill permitted for hazardous waste.

Large spills should be handled according to Local, State, and Federal Laws.

SECTION 7: Handling and storage

Precautions for safe handling

KEEP OUT OF REACH OF CHILDREN. FOLLOW LABEL DIRECTIONS CAREFULLY.

Conditions for safe storage, including any incompatibilities

Store in cool, dry place. Keep away from children and away from food or feed. Avoid eye or skin contact. Toxic to fish and wildlife.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

Ventilation: General or local exhaust to maintain employee exposure below the TLV/PEL.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Safety glasses or goggles (ANSI Z87.1 1979)

Chemical-resistant goggles

Skin protection

PVC or Neoprene gloves

Chemical-resistant gloves.

Body protection

Apron, boots, long sleeved shirt and full-length pants may be worn when necessary to prevent skin contact. Eye wash and shower facilities should be available.

Respiratory protection

NIOSH/MSHA approved for protection against toxic dusts.

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SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	Off-white powder
Odor	Slight pungent
Odor threshold	
pH	6-7
Melting point/freezing point	
Initial boiling point and boiling range	
Flash point	
Evaporation rate	
Flammability (solid, gas)	
Upper/lower flammability limits	
Vapor pressure	
Vapor density	
Relative density	
Solubility(ies)	<0.5 ppm, dispersible
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

Other safety information

Bulk Density - 18-22 lbs/cubic foot

SECTION 10: Stability and reactivity

Reactivity

Chemical stability

Stable

Possibility of hazardous reactions

Polymerization will not occur

Conditions to avoid

Avoid excessive heat. Alkaline materials such as spray lime, lime sulfur, and bourdeaux mixture reduce fungicidal activity of captan.

Incompatible materials

Avoid contact with strong alkalies

Hazardous decomposition products

Combustion products, toxic materials

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Toxic if inhaled.

Skin corrosion/irritation

May cause serious skin irritation and skin burns.

Serious eye damage/irritation

Can cause serious eye damage.

Respiratory or skin sensitization

Avoid breathing dust/fume/gas/mist/vapours/spray.

Carcinogenicity

The International Agency for Research on Cancer has examined captan and concluded there is limited evidence for carcinogenicity in animals but insufficient evidence for carcinogenicity in humans.

STOT-repeated exposure

Toxicity Data Oral LD50 (Rat) = >5,000 mg/kg (Tech)

Dermal LD50 (Rabbit) = >5,000mg/kg (Tech)

TLV 5.0 mg/m³

Effects of Overexposure Corrosive to rabbit eyes, mildly irritating to rabbit skin, ingestion may cause vomiting and diarrhea.

SECTION 12: Ecological information

Toxicity

Very toxic to aquatic life. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters, and surface waters.

SECTION 13: Disposal considerations

Disposal of the product

If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

Other disposal recommendations

This material is toxic to fish. Do not contaminate waterways by cleaning of equipment or by disposal of wastes. Untreated effluent should not be discharged where it will drain into lakes, streams, or ponds.

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SECTION 14: Transport information

DOT (US)

UN Number: 3077

Class: 9

Packing Group: 111

Proper Shipping Name: Captan

Reportable quantity (RQ): 10 lbs

Marine pollutant: Environmentally Hazardous Substance,

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

Massachusetts Right To Know Components

Chemical name: 1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-

CAS number: 133-06-2

New Jersey Right To Know Components

Common name: CAPTAN

CAS number: 133-06-2

Pennsylvania Right To Know Components

Chemical name: 1h-Isoindole-1,3(2h)-dione, 3a,4,7,7a-tetrahydro- 2[(trichloromethyl)thio]-

CAS number: 133-06-2

California Prop. 65 components

Chemical name: CAPTAN

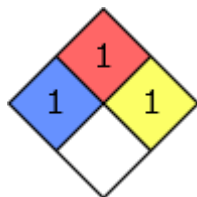
CAS number: 133-06-2

01/01/1990 - cancer

HMIS Rating

Hi-Yield® Captan 50W Fungicide	
HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	1
PERSONAL PROTECTION	

NFPA Rating



SECTION 16: Other information

Voluntary Purchasing Groups, Inc. urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.