



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet

Natural Guard® Brand by Ferti-lome® Copper Soap Fungicide Concentrate

SECTION 1: Identification

Product identifier

Product name Natural Guard® Brand by Ferti-lome® Copper Soap Fungicide Concentrate

Other means of identification

EPA # 67702-2-7401

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

GHS label elements, including precautionary statements

Pictogram



Hazard statement(s)

H302 Harmful if swallowed
H312 Harmful in contact with skin
H332 Harmful if inhaled
H401 Toxic to aquatic life

Precautionary statement(s)

P102 Keep out of reach of children.

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SECTION 3: Composition/information on ingredients

Substances

Hazardous components

Component	Concentration
Copper Octanoate (CAS no.: 20543-04-8)	10 %

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

Water, foam or CO2

Specific hazards arising from the chemical

CO2 and CO may be evolved during burning

Special protective actions for fire-fighters

Use normal fire fighting procedures

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SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

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.

Environmental precautions

This product may be toxic to fish and aquatic organisms. Do not apply directly to water.

Methods and materials for containment and cleaning up

Material is slippery when spilled. Soak up with a solid absorbent and collect for disposal. Small amounts may be flushed with water.

Dispose in accordance with local, state, and federal regulations.

SECTION 7: Handling and storage

Precautions for safe handling

Material is slippery when spilled.

Conditions for safe storage, including any incompatibilities

Store near room temperature. Do not freeze.

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)

Skin protection

PVC or Neoprene 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	Blue liquid
Odor	acid odor
Odor threshold	
pH	5.75±0.3
Melting point/freezing point	
Initial boiling point and boiling range	~100° C
Flash point	
Evaporation rate	
Flammability (solid, gas)	
Upper/lower flammability limits	
Vapor pressure	
Vapor density	
Relative density	
Solubility(ies)	Dispersible in water
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

Other safety information

Specific Gravity, 25°C: ~1.0

SECTION 10: Stability and reactivity

Chemical stability

Stable

Incompatible materials

Avoid mixing with strong oxidizing agents or acids

Hazardous decomposition products

CO₂ and CO may be evolved during burning

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Ingestion (LD₅₀): >2000 mg/kg

Skin corrosion/irritation

May cause skin irritation

Skin (LD₅₀): >2000 mg/kg

Serious eye damage/irritation

May be irritating to eyes

Respiratory or skin sensitization

Inhalation: May be irritating to respiratory system

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STOT-single exposure

May aggravate pre-existing skin conditions

SECTION 12: Ecological information

Toxicity

This product may be toxic to fish and aquatic organisms. Do not apply directly to water.

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.

SECTION 14: Transport information

DOT (US)

Not regulated

IMDG

Not regulated

IATA

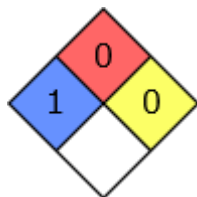
Not regulated

SECTION 15: Regulatory information

HMIS Rating

Natural Guard® Brand by Ferti-lome® Copper Soap Fungicide Concentrate	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

NFPA Rating



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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.