

GROTTO™

EPA Registration Number: 67702-2-59807

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Trade name : Grotto™
Product type : Fungicide
EPA Registration No. : 67702-2-59807
Active Ingredient : Copper Soap

Details of the supplier of the safety data sheet

Company information : OHP, Inc.
 PO Box 746
 Bluffton, SC 29910-0746

Phone Number : (800) 659-6745

Emergency telephone numbers

TRANSPORTATION EMERGENCY (24 hours a day) call : Chemtrec: 1-800-424-9300

MEDICAL EMERGENCY (24 hours a day) and Product Information call : 1-800-356-4647

SDS Information

or Request : ohp.com

2. HAZARDS IDENTIFICATION

GHS - US Classification

Acute toxicity, oral Cat. 5 H303
 Acute toxicity, dermal Cat. 5 H313
 Skin corrosion, irritation Cat. 3 H316
 Serious eye damage/eye irritation Cat. 2B H320
 Acute toxicity, inhalation Cat. 4 H332
 Hazardous to the aquatic environment, acute toxicity Cat. 2 H401

Signal word : Warning

Hazard statements :

H303 May be harmful if swallowed
 H313 May be harmful in contact with skin
 H316 Causes skin mild irritation
 H320 Causes eye irritation
 H332 Harmful if inhaled
 H400 Very toxic to aquatic life

Pictograms: :



Precautionary Statements

(Prevention) :
 P261 Avoid breathing spray.
 P264 Wash hands thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P273 Avoid release to the environment.

Precautionary Statements

(Response) :
 P304 + P340 If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305 + P351 + P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P312 Call a poison center/doctor/physician if you feel unwell.
 P332 + P313 If skin irritation occurs: Get medical advice/attention.
 P337 + P313 If eye irritation persists: Get medical advice/attention.
 P391 Collect spillage.

Precautionary Statements

(Storage) :
 P403 + P235 Store in a well-ventilated place. Keep cool.

Precautionary Statements

(Disposal) :
 P501 Dispose of contents/container to hazardous to special waste collection point.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Mixture

Hazardous Components		
Components	% (w/w)	Hazard Information
Copper Octanoate CAS No. 20543-04-8	10%	Toxic to aquatic life

4. FIRST AID MEASURES

Description of first aid measures

Inhalation : Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.

Skin : In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Wash skin with soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention.

Eye : If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion : Do not induce vomiting. If person is drowsy or unconscious and vomiting, place on the left side with head down. Seek medical attention.

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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

Media : Regular foam, carbon dioxide, dry chemical, water.

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

Personal precautions : Wear appropriate protective equipment. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Environmental

precautions : Avoid run off to waterways and sewers.

Methods and material for containment and cleaning up

Containment/Clean-Up

Measures : Stop leak if can do it without risk. Absorb or cover with dry earth, sand or other absorbent materials and transfer to containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling : No special precautions are necessary if used correctly.

Conditions for safe storage, including any incompatibilities

Storage : Store in ambient temperature, well-ventilated place away from excessive heat. Keep container closed when not in use. Keep away from incompatible materials.

Incompatible Materials : Strong oxidizing agents or acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Components with limited values that require monitoring at the workplace . . . : Not required.

Exposure controls

Personal Protective Equipment

Pictograms: :   

Respiratory : In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 26 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face : Wear safety goggles.

Hands : Wear protective gloves.

Skin/Body : Where extensive dermal exposure may be expected, either a chemical suit or a chemical apron will be needed.

General Industrial Hygiene

Considerations : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, or drinking. Safety shower and eye wash should be available close to work areas.

Environmental Exposure

Controls : Follow best practice for site management and disposal of waste. Avoid release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Blue liquid

Odor : Fatty odor

pH : 6.50 ± 1.50

Boiling Point : Not determined

Melting Point : Not determined

Flash Point : Non combustible

Flammability : Product is not flammable

Decomposition

Temperature : Not determined

Heat of Decomposition : Not determined

Danger of Explosion : Product does not present an explosion hazard

Upper explosion limits : Not determined

Lower explosion limits : Not determined

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Vapor Pressure: Not applicable
Vapor Density: Not applicable
Evaporation Rate: Not applicable
Density @ 20°C (68°F): 1.05 ± 0.02 g/mL
Water Solubility: Dispersible in water
Partition coefficient (n-octanol/water): Not determined
Viscosity: 300 ± 200 cPs (Brookfield LVF)

10. STABILITY AND REACTIVITY

Reactivity: No dangerous reaction known under conditions of normal use.
Chemical Stability: Stable under normal temperatures and pressures.
Possibility of Hazardous Reactions: No dangerous reactions known.
Conditions to avoid: Exposure to excessive heat.
Incompatible Materials: Strong oxidizing agents or acids.
Hazardous Decomposition Products: CO₂ and CO may be evolved during burning.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects
Acute toxicity: LD₅₀ (oral) (rat) > 2000 mg/kg;
 LD₅₀ (dermal) > 2000 mg/kg
Routes of Entry
Skin: May be harmful in contact with skin. Causes mild skin irritation.
Eyes: Causes eye irritation.
Ingestion: May be harmful if swallowed.
Inhalation: Harmful if inhaled.
Carcinogenic Categories
IARC (International Agency for Research on Cancer): Substance is not listed.
NTP (National Toxicology Program): Substance is not listed.

12. ECOLOGICAL INFORMATION

Toxicity: No further relevant information available.
Persistence and Degradability: No further relevant information available.
Mobility in Soil: No further relevant information available.
Other Adverse Effects: No studies have been found.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods
Product Waste: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
Packaging Waste: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

14. TRANSPORT INFORMATION

DOT Classification: Not regulated by US DOT Highway regulations.
U.S. Surface Freight Classification: NMFC item 155050, LTL Class: 70 Fungicide
IMDG Class (sea): Environmentally hazardous substance, liquid, n.o.s., (Copper), 9, UN3082, III, Marine Pollutant
IATA Class (air): Non-Hazardous. Not regulated.
ADR Class (road): Not regulated.
Proper Shipping Name(s): Not regulated.
Reportable Quantity: None

15. REGULATORY INFORMATION

Safety, Health, and Environmental Regulations/Legislation Specific for the Substance or Mixture
SARA: N/A
Section 355 (Extremely Hazardous Substance): Substance is not listed.
Section 313 (Specific Toxic Chemical Listings): Substance is not listed.

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TSCA (Toxic Substance Control Act)

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.

National Regulations Substance is not listed.

State Right to Know Substance is not listed.

Labeling requirements under FIFRA

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

Keep out of reach of children. CAUTION: Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Environmental Hazards

This product is toxic to fish and aquatic organisms and may contaminate water through runoff. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by disposal of equipment washwaters or rinsate. This product may contaminate water through runoff. Poorly draining soils with shallow water tables are more prone to produce runoff that contains this product. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

16. OTHER INFORMATION

Last Revision Date December 11, 2019

Disclaimer/Statement of Liability

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.