810 Market Avenue
Richmond, CA 94801

Safety Data Sheet

Revision Date: 06-Dec-2022

SECTION 1: Identification of Substance/Mixture and of Company/Undertaking

1.1 Product Identifiers

Trade Name: GREEN'S WATER-BASED WOOD PRESERVATIVE

Product Name: Green's Water-Based Wood Preservative

EPA Registration No. 66591-6
California DPR Registration No. 66591-6-ZA

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Identified Uses: Controls damage and deterioration of wood caused by termites, fungus, mold, rot, and decay.

Uses Advised Against: Do not use on any material other than wood. Not for use on beehives, food or feed surfaces.

1.3 Details of the Supplier of the Safety Data Sheet (SDS)

Company: Green Products Company
810 Market Avenue
Richmond, CA 94801-1325
United States

Telephone: 510-235-9667

Emergency Telephone

Emergency Telephone # 800-535-5053 Infotrac (USA and Canada)
1-352-323-3500 Infotrac (International)

SECTION 2: Hazards Identification

2.1 Classification of substance or mixture

GHS Classification

Aspiration hazard:	Category 2
Serious eye damage/irritation:	Category 2A
Skin corrosion/irritation:	Category 1B
Acute toxicity, oral:	Category 4
Acute aquatic toxicity:	Category 2
Chronic aquatic toxicity:	Category 2

2.2 GHS Label Elements

Hazard Pictogram:

Signal Word: Danger

Hazard Statements:
H302 Harmful if swallowed.
H305 May be fatal if swallowed and enters airways.
H314 Causes severe skin burns and eye damage.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements:

Prevention
P233 Keep container tightly closed.
P260 Do not breath dust/fumes/gas/mist/vapors/spray.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 + P265 Wash hands and skin thoroughly after handling. Do not touch eyes.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response
P301 + P317 IF SWALLOWED: Get medical help.
P302 + P352 IF ON SKIN: Wash with plenty of water.
P304 + P340 IF INHALED: Remove person to fresh air and keep 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.
P337 + P313 If eye irritation persists; Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P391 Collect spillage.

Storage
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

Disposal
P501 Dispose of contents/container in accordance with local, regional, state, and federal regulations.
P503 Refer to manufacturer/supplier/label instructions for information on disposal, recovery, and/or recycling.

2.3 Hazards not otherwise classified (HNOC)

None known.

SECTION 3: Composition/Information on Ingredients

3.1 Substances

Mixture.

3.2 Mixture

Hazardous Ingredients

Chemical Name	Synonym	CAS No.	Concentration (vol. %)
C10-C16-alkylbenzenesulfonic acid	linear alkyl benzene sulfonic acid	68584-22-5	2 - 8
copper 8-quinolinolate	8-hydroxyquinoline, copper salt	10380-28-6	1 - 5
paraffin wax	hydrocarbon wax	8002-74-5	< 1

The exact concentration (vol. %) of the ingredients in the mixture have been withheld as a trade secret.

SECTION 4: First Aid Measures

4.1 Description of First Aid Measures

General Advice
Show this safety data sheet to the first responders and/or physician in attendance.
Symptoms of poisoning may appear several hours later. Do not leave the victim unattended.

Inhalation
After inhalation: fresh air. Consult a physician.

Skin Contact
In case of skin contact: If on skin, rinse skin well with water. If on clothes, remove all contaminated clothing. If skin irritation persists, consult a physician.

Eye contact
In case of eye contact: Immediately flush/rinse out eyes with plenty of water. Keep eye(s) wide open while rinsing. Remove contact lenses. If eye irritation persists, consult a physician.

If swallowed
Keep respiratory tract clear. Do not induce vomiting. Risk of aspiration! Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, consult a physician and/or take victim to hospital.

4.2 Most important symptoms and effects, both acute and delayed

Corrosive. Can cause irreversible eye damage. Can cause severe irritation and damage to musosal surfaces. Skin contact: irritation, redness, rash. Ingestion: nausea, gastric upset, may be harmful or fatal if swallowed.

4.3 Indication of any immediate medical attention and special treatment needed

If symptoms persist, consult a physician. Notes to Physician: All treatments should be based upon observed signs and symptoms of distress in all patients. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

SECTION 5: Firefighting Measures

5.1 Extinguishing media

Suitable extinguishing media
Alcohol-resistant foam
Carbon dioxide (CO2)
Dry chemical

Unsuitable extinguishing media
High volume water jet not recommended.

5.2 Specific hazards during firefighting
Possible development of hazardous combustion gases or vapors that may include carbon monoxide, carbon dioxide, sulfur dioxide

5.3 Advice for firefighters
Use personal protective equipment. Stay in danger area only with self-contained breathing apparatus.

5.4 Further information
Prevent fire extinguishing water and residues from contaminating surface water or the ground water system. Cool fully closed containers with water spray.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
Wear appropriate personal protection equipment, see section 8.
Do not breathe vapors, aerosols. Ensure adequate ventilation. Vapors can accumulate in low areas. Avoid substance contact. Evacuate personnel to safe area.

6.2 Environmental precautions
Do not let product enter drains or waterways. Inform respective authorities if the product does enter drains or waterways.

6.3 Methods and materials for containment and cleaning up
Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions, see sections 7 and 10. Take up carefully with liquid-absorbent material (e.g.Chemizorb®). Dispose of properly. Clean up affected area.

6.4 Reference to other sections
For disposal, see section 13.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling
Keep out of reach of children. Read and follow the directions on the product label.

Advice on safe handling
Wear appropriate personal protection equipment, see section 8. Provide adequate air ventilation Avoid generation of vapors/aerosols. Do not breathe product. Avoid skin and eye contact. Eating or drinking should be prohibited in product application area.

Hygiene measures
Observe good personal hygiene practices. Apply preventive skin protection. Wash hands and face after working with substance. Immediately change contaminated clothing. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions
Store at temperature of above freezing 0°C (32°F) and below 32°C (90°F). Keep container tightly closed in a dry and well-ventilated place. Do not transfer to unmarked container. Keep locked up or in an area accessible only to qualified or authorized persons. Observe label precautions.

Storage class
Storage class 8B: Non-combustible corrosive substances (TRGS 510)

7.3 Specific end use(s)

Apart from the identified uses and uses advised against stated in section 1.2, no other specific uses are stipulated.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control parameters

Ingredients with workplace control parameters

Chemical Name	CAS No.	Value - Control Parameters	Basis
C10-C16-alkylbenzenesulfonic acid	68584-22-5	TWA - none established	ACGIH TLV
		TWA - none established	NIOSH TLV
copper 8- quinolinolate	10380-28-6	TWA - 1 mg/m^3 (Cu dust and mist) 0.2mg/m^3 (Cu fume)	ACGIH TLV
		TWA - 1 mg/m^3 (Cu dust and mist)	NIOSH TLV
paraffin wax	8002-74-5	TWA - 2.0 mg/m^3	ACGIH TLV
		TWA - 2.0 mg/m^3	NIOSH TLV
		PEL - 2.0 mg/m^3	CA Title 8, Art. 12

8.2 Exposure Controls

Appropriate engineering controls
Use preventive eye and skin protection. Provide adequate ventilation. Immediately change contaminated clothing. Wash hands and face after working with substance.

Personal protective equipment

Eye and face protection
Safety glasses and/or face shield, ANSI Z87 approved. Use equipment for eye and face protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Hand and skin protection
Full contact
Gloves: Nitrile, Viton®, neoprene, polyvinyl chloride

Minimum layer thickness: 0.7 mm
Break through time: 480 min

Splash contact
Gloves: Nitrile, Viton®, neoprene, polyvinyl chloride
Minimum layer thickness: 0.7 mm
Break through time: 480 min

Body protection
Long-sleeve shirts, long pants, socks, and closed toed shoes

Respiratory protection
Required when vapors/aerosols are generated. Recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

General hygiene
Handle in accordance with good industrial hygiene and safety practices. Do not eat or drink when using this product. Wash hands before breaks and at the end of each workday.

Control of environmental exposure
Do not let product enter drains or waterways.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

a) Appearance	Form: Liquid Color: Yellow
b) Odor	Sour
c) Odor Threshold	No data available
d) pH	2.0 - 2.5
e) Melting point/freezing point	Not established
f) Boiling point	100°C (212°F)
g) Flash point	> 38.3°C (101°F) - closed cup
h) Volatile organic compounds (VOC)	3.0 g/L
i) Evaporation rate	> 1 (butyl acetate = 1)
j) Flammability (solid, gas)	No data available
k) Explosion limits	Upper explosion limit: not established Lower explosion limit: not established
l) Vapor pressure	Not established
m) Vapor density	> 1 (air = 1)
n) Density	1.007 g/ml
o) Water solubility	Soluble
p) Solubility in other solvents	Soluble in alcohols
q) Partition coefficient (n-octanol/water)	No data available
r) Autoignition temperature	No data available
s) Decomposition temperature	No data available
t) Viscosity	1.75 cP @ 25°C (77°F)
u) Surface tension	No data available

SECTION 10: Stability and Reactivity

10.1 Reactivity
Not reactive known under normal conditions.

10.2 Chemical stability
Chemically stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
Thermal decomposition may produce toxic fumes. Material not known to polymerize.

10.4 Conditions to avoid
Not known.

10.5 Incompatible materials
Strong alkaline and/or oxidizing agents.

10.6 Hazardous decomposition products
Carbon oxides/sulfur oxides/inorganic copper.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Acute toxicity
Component - CAS No. 68584-22-5
Species - Rat LD50 Oral - 775 ppm
Rat LD50 Inhalation - not available
Rabbit LD50 Dermal - 2,000 ppm
Component - CAS No. 10380-28-6
Species - Rat LD50 Oral - 9,930 ppm
Rat LD50 Inhalation - 820 mg/m^3
Rabbit LD50 Dermal - > 2,000 ppm
Component - CAS No. 8002-74-2
Species - Rat LD50 Oral - > 5,000 ppm
Inhalation - no data
Rabbit LD50 Dermal - > 3,600 ppm

Serious eye damage/eye irritation
Component - CAS No. 68584-22-5
Species - Rabbit
Exposure time - 1 s
Result - Corrosion
Component - CAS No. 10380-28-6
Species - Rabbit
Exposure time - 1 s
Result - Irritation
Component - CAS No. 8002-74-2
Species - Rabbit
Result - No eye irritation

Skin corrosion/irritation
Component - CAS No. 68584-22-5
Species - Rabbit
Exposure time - 4 h
Result – Skin corrosion
Component - CAS No. 10380-28-6
Species - Rabbit
Exposure time - 4 h
Result - Skin corrosion
Component - CAS No. 8002-74-2
Species – Rabbit
Exposure time - 4 h
Result – No skin corrosion/irritation

Respiration sensitization
Component - CAS No. 68584-22-5
Inhalation of vapors or mists from hot product may cause irritation of the respiratory system
No other information available
Component - CAS No. 10380-28-6
Species - Guinea Pig
Exposure time - 4 h
Result – No respiration sensitization
Component - CAS No. 8002-74-2
Species - Guinea Pig
Exposure time - 4 h
Result - No respiration sensitization

Germ cell mutagenicity
Component - Product
Assessment - Not expected to cause germ cell mutagenicity

Carcinogenicity
Component - Product
Assessment - Not anticipated to be carcinogenic

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by IARC.

NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No ingredient of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Reproductive toxicity
Component - Product
Assessment – No information available

Specific target organ toxicity (STOT) - single exposure
Component - Product
Assessment - Not anticipated to cause specific target organ toxicity after a single exposure.

STOT - repeated exposure
Component - Product
Assessment - Not anticipated to cause specific target organ toxicity after repeated or prolonged exposure.

Aspiration toxicity
Component - Product
Assessment - Not anticipated as being an aspiration hazard.

11.2 Additional Information

Product - Ingestion may cause symptoms that include nausea, diarrhea, and/or irritation of the digestive tract.

SECTION 12: Ecological Information

12.1 Toxicity

Component - CAS No. 68584-22-5

Toxicity to fish - No data available

Toxicity to daphnia and other aquatic Invertebrates	EC50 (Daphnia magna (Water flea)) – 5.65 ppm, Exposure time - 48 h Test type - semi-static test.
Toxicity to algae	EL50 Algae: No data available

Component - CAS No. 10380-28-6

Toxicity to fish
Result - LC50 (Oncorhynchus mykiss (rainbow trout)): 140µg/l, Exposure time - 48 h, Test type - semi-static test.

Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia magna (Water flea)) – 163 ppb, Exposure time - 48 h Test type - semi-static test.
Toxicity to algae	EL50 Algae: No data available

Component - CAS No. 8002-74-2

No Toxicity data available.

Component - CAS No. 10380-28-6

Aquatic toxicity

Acute - Toxic to aquatic life.
Chronic - Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability
Product - No data available

12.3 Bioaccumulation
Product - No data available

12.4 Mobility in soil

Product - No data available

12.5 Other adverse effects

Product - An environmental hazard cannot be excluded in the event of unprofessional handling and/or disposal.

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

Disposal of waste

Product - Dispose of waste material in accordance with the national, regional, state, and local regulations. No mixing with other waste. Handle uncleaned containers like the product itself.

Disposal of container

Product container - Dispose of product container in accordance with the national, regional, state, and local regulations. Do not reuse empty containers. See product container's label for additional information.

SECTION 14: Transport Information

DOT (Department of Transportation, US)
UN number: 2586 Hazard Class: 8 Packing group: III
Proper shipping name: Alkyl Sulfonic Acids, Liquid

IATA (International Air Transport Association)
UN number: 2586 Hazard Class: 8 Packing group: III
Proper shipping name: Alkyl Sulfonic Acids, Liquid

IMDG
UN number: 2586 Hazard Class: 8 Packing group: III
Proper shipping name: Alkyl Sulfonic Acids, Liquid

SECTION 15: Regulatory Information

SARA 302 and 303
This product is not known tocontain any components that are subject to the reporting requirements of SARA Title III, Section 302 or 303.

SARA 304
This product is not known tocontain any components that are subject to the reporting requirements of SARA Title III, Section 304.

SARA 311/312 Hazards
Serious eye corrosion/irritation, Skin corrosion/irritation, Acute oral toxicity, Aspiration hazard.

SARA 313

This product contains copper 8-quinolinolate at a level of 1% or greater. This chemical is listed under copper compounds on the SARA Title III, Section 313 list of toxic chemicals.

Clean Air Act

This product is not known tocontain any hazardous air pollutants (HAP's) as defined by the U.S. Clean Air Act Section 112 (CFR 61).

Clean Water Act

CAS No. 10380-28-6 copper compounds

California Proposition 65

This product is not known to contain any components listed on California's Proposition 65 list.

Massachusetts Right to Know

This product is not known to contain any components subject to Massachusetts' Right to Know Act.

New Jersey Right to Know

CAS No. 10380-28-6 copper
CAS No. 8002-74-2 paraffin wax

Pennsylvania Right to Know

CAS No. 10380-28-6 copper
CAS No. 8002-74-2 paraffin wax

SECTION 16: Other information

HIMS III

HEALTH	**1**
FLAMMABILITY	**0**
INSTABILITY	**0**

NFPA

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Green Products Company and its Affiliates shall not be held liable for damage resulting from handling or from contact with the above product.

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