

SAFETY DATA SHEET



Issuing Date: 8/27/15

1. Product And Company Identification

Product Name: GREEN GOBLER Cold Pressed Orange Oil

Product Use: Multi-purpose oil

Restriction on Use: Use only as directed

Manufacturer: EcoClean Solutions, Inc.
570 Oak St.
Copaigue NY 11726

Telephone Number: 877-416-6880

Emergency Phone: CHEMTREC, U.S.: 1-800-424-9300 International: +1-703-527-3887

2. Hazards Identification

Classification:

Physical	Health
Flammable Liquid Category 3	Skin Irritant Category 2 Skin Sensitizer Category 1 Aspiration Toxicity Category 1 Eye Irritant Category 2A

Danger!



Hazard statement(s)

Flammable liquid and vapor
Causes skin irritation
May cause an allergic skin reaction
May be fatal if swallowed and enters airways
Causes serious eye irritation

Precautionary statement(s)

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.
Ground and bond container and receiving equipment.
Use explosion-proof equipment.
Use non-sparking tools.
Take action to prevent static discharges.
Avoid breathing mist or vapor.
Wash thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves, clothing and eye protection.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.
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 attention.
IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do not induce vomiting.

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In case of fire: Use carbon dioxide, foam or dry chemical to extinguish.

Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents and container in accordance with local, regional and national regulations.

3. Composition/Information on Ingredients

Component	CAS No.	Amount
Orange, sweet ext (containing d-limonene)	8028-48-6	80-95%
Nonionic surfactant	Mixture	5-15%

The specific identity and/or exact percentage has been withheld as a trade secret.

4. First Aid Measures

Inhalation: Remove to fresh air. Get medical attention if irritation or other symptoms persist.

Skin Contact: Rinse skin thoroughly with water for several minutes. Get medical attention if irritation or rash develops and persists.

Eye Contact: Flush eyes thoroughly with water at least 15 minutes while lifting the upper and lower lids. Remove contact lenses if present and easy to do. Get medical attention if irritation develops or persists.

Ingestion: DO NOT induce vomiting. Never give anything by mouth to a person who is unconscious or convulsing. Get immediate medical attention.

Most important symptoms/effects, acute and delayed: Cause serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. Inhalation of mist may cause mucous membrane and upper respiratory irritation. Aspiration hazard. May enter the lungs during swallowing or vomiting to cause severe lung damage.

Indication of immediate medical attention and special treatment, if necessary: Immediate medical attention is required for ingestion.

5. Firefighting Measures

Suitable (and unsuitable) extinguishing media: Use water fog, carbon dioxide, foam or dry chemical to extinguish. Do not use a solid stream as it may scatter and spread fire.

Specific hazards arising from the chemical: This product is flammable and forms explosive mixtures with air. Vapors are heavier than air and will travel along surfaces to remote ignition sources and flash back. Closed containers may explode if exposed to extreme heat. Fire may produce dense black smoke containing oxides of carbon and soot.

Special protective equipment and precautions for fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored.

6: Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Avoid contact with eyes, skin and clothing. Avoid breathing vapor. Wear personal protective as described in Section 8. Use non-sparking tools and equipment. Eliminate all ignition sources. Ventilate the area with explosion-proof equipment.

Environmental hazards: Avoid releases into the environment. Report spill as required by local and federal regulations.

Methods and materials for containment and cleaning up: Dike spill area and cap leaking containers as

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necessary to prevent further spreading of spilled material if safe to do so. Absorb spilled liquid with suitable material such as dirt or sand. Eliminate all ignition sources. Use equipment rated for use around combustible materials. Place in appropriate disposal container. Oil soaked rags may spontaneously combust; place in appropriate disposal container. Use non-sparking tools and equipment.

7. Handling and Storage

Precautions for safe handling: Avoid contact with the eyes, skin and clothing. Avoid breathing vapors. Wear protective clothing and equipment as described in Section 8. Use only with adequate ventilation. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Keep product away from heat, sparks, flames and all other sources of ignition. Do not permit smoking in use or storage areas. Use with non-sparking tools and explosion proof equipment. Electrically bond and ground containers for transfer. Drum lining may occasionally chip and fall to the bottom of container; product should be filtered or strained before blending or repackaging. Oil soaked rags may spontaneously combust; place in appropriate disposal container.

Empty containers retain product residues and contaminants that can be hazardous. Follow all SDS precautions when handling empty containers.

Conditions for safe storage, including any incompatibilities: Product may be packaged in phenolic-lined steel containers or fluorinated plastic containers. Store in a well ventilated area with proper sprinkler/fire deterrent system. Storage temperature should not exceed the flash point for extended periods of time. Store away from oxidizing agents. Keep container closed when not in use. Air should be excluded from partially filled containers by displacing with nitrogen or carbon dioxide. Do not cut, drill, grind or weld on or near this container; residual vapors may ignite. Keep out of reach of children and pets.

8. Exposure Controls / Personal Protection

CHEMICAL	EXPOSURE LIMIT
Orange, sweet ext (containing d-limonene)	30 ppm TWA AIHA WEEL
Nonionic surfactant	None Established

Ventilation: Use adequate ventilation to minimize exposure. Use explosion-proof equipment where required.

Respiratory Protection: None should be needed for normal use. If the occupational exposure limits are exceeded, an approved respirator with organic vapor cartridges or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with applicable regulations and good industrial hygiene practice.

Gloves: Avoid skin contact and wash hands after use. Impervious gloves recommended.

Eye Protection: Avoid eye contact. Safety goggles are recommended.

Other Protective Equipment/Clothing: Impervious clothing recommended where needed to avoid skin contact.

9. Physical and Chemical Properties

Appearance: Light yellow to orange, clear liquid.

Odor: Fresh orange aroma.

Odor threshold: Not applicable	pH: Not applicable
Melting point/freezing point: -96 °C (-141 °F)	Boiling point/ Boiling Range: 176 °C (349 °F)
Flash point: 54.4 °C / 130 °F	Evaporation rate: Not applicable
Flammability (solid, gas): Not applicable	
Flammable limits: LEL: 0.7%	UEL: 6.1%
Vapor pressure: < 2 mmHg at 20°C (68°F)	Vapor density: 4.7 (Air = 1)
Relative density: 0.842 - 0.846 at 25°C (77°F)	Solubility in Water: Immiscible
Partition coefficient: n-octanol/water: Not applicable	Auto-ignition temperature: 237°C (459 °F)
Decomposition temperature: Not applicable	Viscosity: 0.923 cP at 25°C (77°F)

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10. Stability and Reactivity

Reactivity: Not reactive under normal storage and handling conditions.

Chemical stability: Stable under normal storage and handling conditions.

Possibility of hazardous reactions: Reacts violently with a mixture of iodine pentafluoride and tetrafluoroethylene, causing fire and explosion hazard. Reacts with oxidants.

Conditions to avoid: Keep away from heat, sparks and all ignition sources.

Incompatible materials: Strong oxidizing agents and strong acids, including acidic clays, peroxides, halogens, vinyl chloride, and iodine pentafluoride.

Hazardous decomposition products: Oxides of d-limonene, which can result from improper storage and handling, are known to cause skin sensitization. No decomposition if stored properly.

11. Toxicological Information

Inhalation: Inhalation of mist or vapor may cause irritation to the nose, throat and upper respiratory tract.

Skin Contact: Causes skin irritation. May cause an allergic skin reaction.

Eye Contact: Causes serious eye irritation, redness and tearing.

Ingestion: Aspiration hazard. May enter the lungs during swallowing or vomiting to cause severe lung damage.

Chronic Hazards: None known.

Carcinogen: None of the components is listed as a carcinogen or potential carcinogen by IARC, NTP, ACGIH or OSHA.

Mutagenicity: None of the components have been shown to cause germ cell mutagenicity.

Reproductive Toxicity: None of the components have been shown to cause reproductive or developmental toxicity.

Acute Toxicity Values:

Orange, sweet ext: Oral rat LD50 > 5000 mg/kg, dermal rabbit LD50 > 5000 mg/kg.

12. Ecological Information

Ecotoxicity:

Orange, sweet ext: Danio rerio LL50: 5.65 mg/L/96hr

Persistence and degradability: Inherently biodegradable.

Bioaccumulative potential: Log BCF for constituents of orange oil: 1.502 – 2.597.

Mobility in soil: No data available

Other adverse effects: None known.

13. Disposal Considerations

Dispose of in accordance with all local, state/provincial and federal regulations.

14. Transport Information

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT (nonbulk containers)		Not Regulated per combustible liquid exception 49CFR 173.150(f)			

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

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Special precautions: None known.

15. Regulatory Information

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

CERCLA Section 103: This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Acute Health, Fire Hazard.

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

EPA TSCA Inventory: All of the ingredients in this product are listed on the EPA TSCA Inventory.

California Proposition 65: This product contains the following substances known to the State of California to cause cancer and/or reproductive harm (birth defects): None

16. Other Information

NFPA Rating (NFPA 704):	Health: 2	Fire: 2	Instability: 0
HMIS Rating:	Health: 2	Fire: 2	Physical Hazard: 0

SDS Revision History: New document

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Date of last revision: None