



Date Prepared: 11/18/2024

Material Safety Data Sheet

Statement of SDS Purpose

We at Simple Sailor Marine understand material safety data sheets (MSDS) and how important they are for transparency to seafarers both professional and amateur alike. We proudly disclose all chemicals pre and post-mixture in our SDS sheets so you can see what makes a good product and send us questions if you have any concerns or are just curious. As such, we do not worry about 'Trade Secret' disclosure like our competitors. The chemicals listed in any **MSDS Section 3**, are not to be interpreted for 'Chemistry or Toxicology' guides as this leads to misinterpretation of ecological impact based on a pure neat single chemical. To better understand the environmental and in-use calculations, see **MSDS sections 12, 14 & 15** of post-dilution ratios. Pure H₂O for example could be misunderstood as an acute aquatic toxin if introduced into a Salt Water ecology environment in large enough quantities known as 'LC50 levels'.

In Simple Sailors' terms, Safety data sheets are legally mandated documents required by all chemical cleaning manufacturers. They contain the pre-mix warnings for each chemical used in production for 'SAFETY DATA'. If you see NO #CAS numbers, a proprietary trade secret with no CAS Number, or a one-ingredient safety data sheet, there is usually an attempt to hide and 'greenwash' known toxic chemicals.

Our formulas are either the cleanest, most concentrated most readily ocean-degradable cleaners for direct ocean rinse or designed to not be rinsed into the waterways making them eco-friendly by marine design standards. We do not hide chemical disclosure, state 'proprietary trade secrets' or omit information. That's our promise and it is far from Simple to keep :)

Section 1. Identification

Manufacturer:

Withheld (Identifier, Florida Lab
On Behalf of Aphros Marine LLC
Jupiter, Florida, Tel: (1) 561 963 0959

In an Emergency contact Chemtrec:

1-800-424-9300

Product Name: Simple Sailor Teak Brightener Step 2

Product intended use: To be diluted and used to clean hardwood species surfaces.

Dilution Ratio:

Foam hose Cannon: 1oz product per 8 to 16 ounces of water to be used 1:32. (Section 12 dilution is based on 1 x 8 oz (390gram) sachet to 2 gallons pure water. This is the highest concentration that would be used.

Bucket: Use 1 x 8oz sachet to 2-4 US of water in 5 Gallon Bucket (Section 15 Calculated on 4 oz per 2 Gallons)

Section 2. Hazard(s) Identification

GHS Label Elements

Pictogram:



Signal Word: Warning

GHS Classification

Skin irritation: Category 3 (Mild)

Eye irritation: Category 2A

Hazard Statements:

H316: Causes mild skin irritation.

H319: Causes serious eye irritation.

Prevention:

P264 Wash hands thoroughly after handling.

P265 Do not touch eyes.

P280 Wear protective eye protection/face protection

Precautionary Statements:

P332 IF SKIN irritation occurs:

P317 Get emergency medical help.

P305 IF IN EYES:

P351 Rinse cautiously with water for several minutes.

P338 Remove contact lenses, if present and easy to do. Continue rinsing.

P337 If eye irritation persists:

P317 Get emergency medical help.

Section 3. Composition/Information on Ingredients

Component Name	CAS Number	Percentage (In Concentration)
Citralic Acid Concentrate (Anhydrous)	144-62-77-92-9	90%
Carbamide Chloride (Offset Inerted)	506-89-8	2.5%
Olefin Sulfonate	68439-57-6	1%
Acetic Acid	68439-57-6	0.5%
6. Mixture Below reportable levels (Color)	N/A	N/A

7. Essential Oils	N/A	<0.5%

Section 4. First Aid Information

Ingestion First Aid: Rinse mouth. Consult a physician.

Inhalation First Aid: Remove to Fresh air as needed.

Eye First Aid: First rinse eyes with plenty of water, remove contact lenses if easily possible. Rinse for 15 minutes. Seek medical attention if irritation persists.

Skin First Aid: Rinse off skin. Seek medical attention if irritation begins/persists.

Section 5. Fire Fighting Measures

Flash Point: N/A

Autoignition Temperature: N/A

Flammability Limits in Air: Not determined

Extinguishing Media: Not determined

Fire Fighting Procedure: Wear self-contained breathing apparatus for firefighting if necessary.

Further information: no data available

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures

Avoid over exposure to skin as chemicals may cause skin irritation or dryness with prolonged exposure.

Environmental precautions

Chemicals are to be diluted to levels with no anticipated negative impacts for products expected use.

Avoid spills of concentrate product into water ways.

Methods and materials for containment and cleaning up

Wipe up or absorb spill using inert absorbent and place in a suitable waste container for disposal.

Section 7: Handling and Storage

Precautions for safe handling.

Avoid contact with skin and eyes.

Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities.

Store in well ventilated area.

Keep container tightly closed.

Section 8: Exposure Controls and Personal Protection

Components with workplace control parameters

Contains no substances with occupational exposure limit values or no available data exists.

Personal protective equipment

Safety glasses are always recommended to reduce eye irritation exposure.

Hand protection

Hand protection is always recommended to reduce skin irritation exposure.

Other information

Not available

Section 9: Physical and Chemical Properties:

Physical Form:	Powder	Viscosity:	Not determined
Color:	White	Melting Point:	Not determined
Odor:	Minimal	Boiling Point:	Not determined
Specific Gravity @ 25C:	About 1	Flash Point:	Not determined
Solubility in Water:	Soluble	Vapor Pressure @ 25° C	Not determined
		pH:	6-8

Section 10: Stability and Reactivity

Chemical Stability: Stable

Hazardous Polymerization: Will not polymerize

Conditions to Avoid: None known

Materials to Avoid: Strong oxidizing agents, strong acids, strong bases.

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity:

Primary irritant effect:

on the skin: Mild skin irritant.

on the eye: Causes eye irritation.

Hazard Class Conclusion / Remarks

Inhalation

Acute Toxicity: No end point data for material. Non- Toxic. Based on assessment of the components.

Irritation: No end point data for material. Negligible hazard at ambient/normal handling temperatures.

Ingestion

Acute Toxicity: No end point data for material. Non- Toxic. Based on assessment of the components.

Skin

Acute Toxicity: No end point data for material. Non- Toxic. Based on assessment of the components.

Skin Corrosion/Irritation: No end point data for material. Negligible irritation to skin at ambient temperatures. Based on assessment of the components.

Eye

Serious Eye Damage/Irritation: No end point data for material. May cause mild, short-lasting discomfort to eyes. Based on assessment of the components.

Sensitization

Respiratory Sensitization: No end point data for material. Not expected to be a respiratory sensitizer.

Skin Sensitization: No end point data for material. Not expected to be a skin sensitizer. Based on assessment of the components.

Aspiration

Data available. Not expected to be an aspiration hazard. Based on physical-chemical properties of the material.

Germ Cell Mutagenicity

No end point data for material. Not expected to be a germ cell mutagen. Based on assessment of the components.

Carcinogenicity

No end point data for material. Not expected to cause cancer. Based on assessment of the components.

Reproductive Toxicity

No end point data for material. Not expected to be a reproductive toxicant. Based on assessment of the components.

Lactation

No end point data for material. Not expected to cause harm to breast-fed children.

Specific Target Organ Toxicity (STOT)

Single Exposure: No end point data for material. Not expected to cause organ damage from a single exposure.

Repeated Exposure: No end point data for material. Not expected to cause organ damage from prolonged or repeated exposure. Based on assessment of the components.

Section 12A: Ecological Information for the More Diluted Mixture

- **Toxicity:** The calculated LC50 value of 3026 mg/L indicates the mixture is non-toxic to aquatic life.
- **Persistence and Degradability:** All chemicals used in this mixture are readily biodegradable.
- **Bio-accumulative Potential:** The substances in the mixture are generally not expected to bioaccumulate significantly.
- **Mobility in Soil:** Due to their water solubility, the substances in the mixture are expected to have moderate to high mobility in soil.
- **Other Adverse Effects:** There are no known additional adverse environmental effects.

- **Biodegradability:** The mixture diluted is calculated to be over **99.98% biodegradable or ocean-degradable**.
- **Timeline:** Biodegradation occurs typically within **24 Hours or complete neutralization when used in tandem with Simple Sailor Marine Step 1 Teak Cleaner**

Section 12B: Ecological Information for the More Concentrated Mixture (Foam Gun)

- **Toxicity:** The calculated LC50 value of 38.48 mg/L indicates low toxicity to aquatic life.
- **Persistence and Degradability:** The mixture is calculated to be over 97% biodegradable.
- **Timeline:** Biodegradation occurs typically within 24 Hours.

Section 13: Disposal Considerations

Landfill and/or incinerate where permitted in compliance with all applicable Federal, State and local government regulations.

Section 14: Transportation Information

DOT (Department of Transportation):

Not regulated as a dangerous good

IATA (International Air Transport Association):

Not regulated as a dangerous good

IMDG (International Maritime Dangerous Goods):

Not regulated as a dangerous good, however does contain Oxalic Acid, Citric Acid, Acetic Acid, and Olefin Sulfonate, which in pure, undiluted forms individually may be considered hazardous depending on jurisdiction.

Section 15: Regulatory Information

WHMIS Classification: N/A

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

N/A

SARA 304 Extremely Hazardous Substances Reportable Quantity

Below reportable levels

SARA 311/312 Hazards : See section 2

Skin corrosion or irritation

Serious eye damage or eye irritation

SARA 302 : N/A

SARA 313 : N/A

reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61) or concentrates fall under limits.

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F) or concentrates fall under limits.

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM/ Intermediate or Final VOC's (40 CFR 60.489) or concentrates fall under limits.

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A or concentrates fall under limits.

This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3 or concentrates fall under limits.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307 or concentrates fall under limits.

Rights to know: All chemicals at reportable levels are given below. See Section 2

Component Name	CAS Number
Olefin Sulphonate	68439-46-3
Ethoxylated Alcohol	68439-46-3
Oxalic Acid	144-62-7

California Prop 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm or concentrates fall under limits. **The components of this product are reported in the following inventories:**

TSCA: On TSCA Inventory

DSL: All components of this product are on the Canadian DSL

AICS: On the inventory, or in compliance with the inventory

NZIoC : Not in compliance with the inventory

ENCS: On the inventory, or in compliance with the inventory

KECI: On the inventory, or in compliance with the inventory

PICCS: On the inventory, or in compliance with the inventory

IECSC: On the inventory, or in compliance with the inventory

Section 16: Other Information

The information provided in this Safety Data Sheet has been obtained from sources believed to be reliable and accurate but is not warranted to be whether originating with the company or not. Simple Sailor Marine provides no warranties, either expressed or implied, and assumes no responsibility for the data's accuracy or completeness. This information is offered for your information, consideration, and investigation. You should be satisfied that you have all the current data relevant to your particular use. Simple Sailor Marine of no medical condition, other than those noted on this Safety Data Sheet, which is generally recognized as aggravated by exposure to this product. Any material supplied is the sole responsibility of the user. All materials may present unknown health hazards and we cannot guarantee that the hazards listed herein are the only hazards that exist.

