

SAFETY DATA SHEET

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Revision Date Initial

Revision Number 0

This document complies with the US OSHA Hazard Communication Standard (29 CFR 1910.1200).

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

GHS product identifier

Product Name **Rust Stain**

Remover Recommended use of the chemical and restrictions

on use

Recommended Use **Cleaner**

Uses advised against No information available

Supplier's details

Supplier Address

Supplier Address
Captains Preferred Products
122200 Atlantic Blvd
Suite 130 34
Jacksonville, FL 32225
Email: team@captainspreferredproducts.com
www.captainspreferredproducts.com

Emergency telephone number

Chemical Emergency Phone Number 904-321-9414

2. HAZARDS IDENTIFICATION

Classification

This product is considered hazardous according to the criteria set within the US OSHA Hazard Communication Standard (29 CFR 1910.1200).

Causes severe skin burns and eye damage	Category 1
Causes serious eye damage	Category 1A
May cause cancer	Category 1A
May be corrosive to metals	Category 3
Toxic if swallowed	Category 3
Toxic if inhaled	Category 3

Label Elements

Signal Word

Danger



Hazard Statements

Causes severe skin burns and eye damage
Causes serious eye damage
May cause cancer
May be corrosive to metals
Toxic if swallowed
Toxic if inhaled

Prevention:

If medical advice is needed, have product or label at hand.
 Keep out of reach of children.
 Read label before use.
 Wash skin thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 Avoid release to the environment
 Wear protective gloves/ protective clothing/ protection/face protection.

Response:

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Physical and Health Hazards Not Otherwise Classified

Not applicable.

Skin

- If skin irritation or rash occurs: Get medical advice/attention.
- Wash contaminated clothing before reuse.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Eyes

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses , if present and easy to do. Continue rinsing.

Storage

- Store locked up.
- Store in a well-ventilated place. Keep cool.

Disposal

- Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

The individual chemical identities of the ingredients of this mixture are considered to be proprietary information and trade secrets in accordance with paragraph (i) of §1910.1200. As such they are withheld in accordance with the provisions of the law.

Hazardous components

Component	CAS-No.	Concentration [%]
Sulfuric acid	7664-93-9	4.0 – 6.0
Ethylene Glycol Butyl	111-76-2	4.0 – 6.0
Ammonium hydrogen fluoride	1341-49-7	< 3.0
Dodecylbenzen	27179-87-0	3.0 – 15.0
Sodium hydrate	1310-73-2	< 0.75
Alpha Olefin Sulfonate	68439-57-6	2.0 – 8.0

4. FIRST AID MEASURES**Description of necessary first-aid measures****Eye Contact**

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.

Skin Contact

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Inhalation	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
Ingestion	Call a physician or Poison Control Center immediately. Do NOT induce vomiting.
Protection of First-aiders	Remove all sources of ignition. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects Hives. Itching. Rashes. Irritation.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician May cause an allergic skin reaction.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use: Water spray. Carbon dioxide (CO₂). Foam.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire.

Specific Hazards Arising from the Chemical Flammable. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapors may accumulate in confined areas (basement, tanks, hopper/tank cars, etc.). Vapors may form explosive mixtures with air.
Vapors may travel to source of ignition and flash back.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge Yes.

Protective Equipment and Precautions for Firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal Precautions Remove all sources of ignition. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Environmental Precautions

Environmental Precautions Prevent further leakage or spillage if safe to do so. Avoid release to the environment. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.
Collect spillage. Dispose of contents/container to an approved waste disposal plant. See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up

Methods for Containment Dike far ahead of liquid spill for later disposal.

Methods for Cleaning Up Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Use personal protective equipment. Use clean non-sparking tools to collect absorbed material. Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE**Precautions for safe handling**

Handling

Keep away from open flames, hot surfaces and sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Take precautionary measures against static discharges. Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before reuse. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities**Storage**

Store in a well-ventilated place. Keep cool.

Incompatible Products

Strong oxidizing agents, Strong acids, Strong bases,

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Control parameters****Exposure Guidelines**

The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Components	CAS-No. :	Type:	Value :	Basis :
Sulfuric acid	7664-93-9	TWA	1 mg/m3	OSHA Z-1
Ammonium hydrogen fluoride	1341-49-7	TWA	2 mg/m3	OSHA PEL
Ethylene Glycol Monobutyl	111-76-2	TWA	50 ppm	OSHA Z=1

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

Appropriate engineering controls**Engineering Measures**

Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment**Eye/Face Protection**

Use safety goggles tested according to EN 166/ ANSI Z87.1 or equivalent local standard.

Skin and Body Protection

Wear protective gloves/clothing.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Remove and wash contaminated clothing before re-use. Contaminated work clothing should not be allowed out of the workplace. Wash face, hands and any exposed skin thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties****Physical State**
Odor

Liquid.
Characteristic.

Appearance
Odor Threshold

Opaque; cloudy
No information available.

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
pH	No data available	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	No data available	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
upper flammability limit	No data available	
lower flammability limit	No data available	
Vapor Pressure	No data available	
Vapor Density	No data available	None known
Relative Density	No data available	None known
Specific Gravity	No data available	None known
Water Solubility	Insoluble in water.	None known
Solubility in other solvents	Practically insoluble.	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known
Flammable Properties	Not flammable	
Explosive Properties	No data available	
Oxidizing Properties	No data available	

Other information

VOC Content (%) No data available

10. STABILITY AND REACTIVITY

Reactivity No data available.

Chemical stability Stable under recommended storage conditions.

Possibility of hazardous reactions None under normal processing. **Hazardous**

Polymerization Hazardous polymerization does not occur.

Conditions to avoid Heat, flames and sparks.

Incompatible materials Strong oxidizing agents, Strong acids, Strong bases,

Hazardous decomposition products None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Please note: Mixtures have not been tested for health hazards. The health hazard information presented is provided in accordance with US 29 CFR 1910.1200 and is based on the testing of individual components which have been shown to cause or may cause these health effects when tested at higher concentrations or at full strength.

Information on likely routes of exposure

Product Information

<u>Inhalation</u>	None under normal use conditions
<u>Eye Contact</u>	Causes serious eye irritation.
<u>Skin Contact</u>	Causes skin irritation. May cause sensitization by skin contact.
<u>Ingestion</u>	Expected to be allow ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics

Rash, Irritation

Delayed and immediate effects and also chronic effects from short and long term exposure**Respiratory or Skin Sensitization**
Germ Cell Mutagenicity
Carcinogenicity

May cause sensitization by skin contact.

No information available.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

IARC: (International Agency for Research on Cancer)

Group 2B* - *Listed as a Group 2B possibly carcinogenic to humans by the International Agency for Research on Cancer (IARC). In our expert opinion, myrcene should not be characterized as possibly carcinogenic to humans.

Components : Sulfuric acid

Reproductive Toxicity
STOT - single exposure

No information available.

No information available.

STOT - repeated exposure
Aspiration Hazard

No information available.

No information available.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Ecological information is not reported.

Persistence and Degradability No information available.**Bioaccumulation** No information available.**Mobility** No information available.**Other Adverse Effects** No information available.**13. DISPOSAL CONSIDERATIONS****Waste Disposal Methods** Dispose of in accordance with local, state and federal regulations.**Contaminated Packaging** Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers. Empty containers should be taken to an approved waste handling site for recycling or disposal.**14. TRANSPORT INFORMATION****Note:**

This shipping size falls into limited quantity exemptions that do not require labeling or placarding except if transported by aircraft. Under U.S. DOT transportation regulations, this product can be re-classed as a Limited Quantity in accordance with 49 CFR 173.306(i). Under Transport Canada regulations, this product can be re-classed as a Limited Quantity in accordance with Section 1.17. Under IMDG regulations (Amdt 35-10), this product can be re-classed as a Limited Quantity in accordance with Chapter 3.4.

DOT

UN-Number	Not regulated
Proper shipping name	Not regulated
Hazard Class	Not regulated
Packing Group	Not regulated
Marine pollutant	Not regulated

MEX

UN-Number	Not regulated
Proper Shipping Name	Not regulated
Hazard Class	Not regulated

Packing Group	Not regulated
Description	Not regulated

IATA

UN-Number	Not regulated
Proper Shipping Name	Not regulated
Hazard Class	Not regulated
Packing Group	Not regulated
ERG Code	Not regulated

Description	Not regulated
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IMDG/IMO

UN-Number	Not regulated
Proper Shipping Name	Not regulated
Hazard Class	Not regulated
Packing Group	Not regulated
EmS No.	Not regulated
Marine Pollutant	Not regulated
Description	Not regulated

15. REGULATORY INFORMATION

Only relevant information is reported

SARA 311/312 Hazards. : Skin corrosion or irritation
Respiratory or skin sensitization Aspiration hazard

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA	Health Hazard 2	Flammability 0	Instability 0	Physical and Chemical Hazards -
HMIS	Health Hazard 2*	Flammability 0	Physical Hazard 0	Personal Protection X
Issuing Date	03-Jan-2025			
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Revision Note	Initial			

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet