

Safety Data Sheet

acc. to OSHA HCS


Printing date 04/20/2018

Reviewed on 06/26/2014

1 Identification

- Product identifier**
 Product Name Recommended Use Restrictions On Use
 #VSS - Advantage Sour/Soft Laundry sour and softener
 Do not use in a manner inconsistent with the label.
- Supplier's details**
 GREENEX CLEAN GROUP LLC
 238 St. Nicholas Avenue,
 South Plainfield, NJ 07080
 Telephone 732-360-5000

2 Hazard(s) Identification

- Classification**
 Skin corrosion (Category 1C), Eye damage (Category 1)
 Corrosive to metals (Category 1)
- Label Elements**

- Signal Word**
 Danger
- Pictograms**
 Corrosion
- Hazard Statements**
 Causes severe skin burns and serious eye damage. May be corrosive to metals.
- Precautionary Statements**
 Wear chemical-splash safety goggles, chemical-resistant protective gloves and protective footwear. Avoid contact with eyes, skin and clothing. Do not breathe vapors or mists. Do not eat, drink, or smoke when using this product. Wash hands and affected areas thoroughly after handling. Absorb spillage to prevent material damage. Mix only with water. Do not mix with ammonia, bleach or other chlorinated compounds. Can react to release hazardous gases.
- First Aid**
If In Eyes
 Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes.
- If On Skin (or Hair)**
 Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes. Wash contaminated clothing before reuse.

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If Swallowed	Rinse mouth. Do NOT induce vomiting. If conscious, dilute by drinking up to a cupful of milk or water as tolerated.
If Inhaled	Remove person to fresh air and keep comfortable for breathing.
START FIRST AID. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.	
Emergency Telephone	1-866-923-4913
• Storage	Store tightly closed only in original corrosive-resistant plastic container. Store locked up.
• Disposal	Dispose of contents in accordance with all federal, state and local applicable laws and regulations.
KEEP OUT OF REACH OF CHILDREN. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.	
• Hazards Not Otherwise Classified	Not applicable.

3 Composition/Information on Ingredients		
Hazardous Ingredient(S)	CAS #	Weight %
Phosphoric Acid	7664-38-2	30.0
Ditallowamidoethyl Hydroxyethylmonium Methosulfate	68410-69-5	13.5
Isopropyl Alcohol	67-63-0	1.5

• **State Right To Know** See section 15 for state RTK chemical names in mixture.

4 First-Aid Measures	
If in eyes	rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes.
If on skin (or hair)	Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes. Wash contaminated clothing before reuse.
If swallowed	Rinse mouth. Do not induce vomiting. If conscious, dilute by drinking up to a cupful of milk or water as tolerated.
If inhaled	Remove Person to fresh air and keep comfortable for breathing.
START FIRST AID. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.	
Emergency telephone	1-866-923-4913

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<ul style="list-style-type: none"> • Most Important Symptoms / Effects 	Causes severe skin burns and serious Eye damage. May cause blindness without immediate first aid. Harmful if swallowed. Causes burns and serious damage to mouth, throat and stomach. Corrosive to all body tissues.
<ul style="list-style-type: none"> • Medical Conditions Aggravated 	None known.
<ul style="list-style-type: none"> • Note to Physician 	Call 1-866-923-4913 for exposure management assistance.

5 Fire-Fighting Measures

<ul style="list-style-type: none"> • Chemical Hazards 	Corrosive. Non-flammable.
<ul style="list-style-type: none"> • Combustion Product Hazards 	Oxides of carbon and other fumes.
<ul style="list-style-type: none"> • Methods 	Select extinguisher and methods based on fire size and type.
<ul style="list-style-type: none"> • Equipment 	Wear scba and full protective gear as conditions warrant.
<ul style="list-style-type: none"> • NFPA Rating 	Health-3/flammability-0/ instability-0/special hazard-n. Ap.
<ul style="list-style-type: none"> • Suitable Extinguishers 	Water, dry chemical, CO ² or foam suitable for fire.
<ul style="list-style-type: none"> • Unsuitable Extinguishers 	No restrictions based on chemical hazards.

6 Accidental Release Measures

<ul style="list-style-type: none"> • Personal Precautions 	Evacuate unprotected personnel from area. Wear personal protection including rubber boots. See section 8. Ventilate area if needed. Be careful not to slip. Wash thoroughly after clean-up.
<ul style="list-style-type: none"> • Environmental Precautions 	Prevent spill from entering drain, storm sewer or surface waterway. Prevent water and soil contamination.
<ul style="list-style-type: none"> • Clean-up Methods 	Small spills may be wiped up and rinsed with water. For larger spills, dike to contain. Pump to labeled container or absorb spillage and scoop up with inert absorbent material. After spill collection, rinse area with water and follow with normal clean-up procedures.

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7 Handling and Storage

- **Handling**

Follow all label directions. Instruct personnel about Proper use, hazards, precautions, and first aid measures. Avoid inhalation, ingestion, and contact with skin, eyes and clothing. Do not taste or swallow. Remove and wash contaminated clothing and footwear before reuse. Product residue may remain in empty containers. Handle carefully to avoid damaging container.
- **Storage**

Store tightly closed only in original corrosive-resistant plastic container. Store locked up. Store at ambient temperatures in a dry area out of direct sunlight. Protect from freezing. Rotate stock regularly. Keep away from food and drink. Keep out of reach of children.

8 Exposure Controls/Personal Protection

- **Exposure Limits**

Phosphoric Acid = 1 mg/m³ twa, 3 mg/m³ stel (ACGIH), 1 mg/m³ twa (OSHA)
Ditallowamidoethyl Hydroxyethylmonium methosulfate = none
Isopropyl alcohol = 200 ppm twa, 400 ppm stel (ACGIH), 400 ppm twa (OSHA)
- **Engineering controls**

General room ventilation is typically adequate.
- **Personal protection**
 - Eyes**

Chemical-splash safety goggles.
 - Hands**

Chemical-resistant protective gloves (nitrile, neoprene or rubber).
 - Respiratory**

Niosh-certified respirator if mists/vapors are not controlled by ventilation.
 - Feet**

Protective footwear.
 - Body**

Suitable protective clothing.
- **Hygiene Measures**

Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact. Wash contaminated clothing before reuse. Wash contaminated personal protective equipment before reuse.

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9 Physical and Chemical Properties

Appearance	Opaque Purple Liquid
Odor	Citrus
Ph Concentrate	Below 2.0 (Acidic)
Ph @ 2500 Ppm Solution	N.Av.
Ph @ Use Dilution	N.Av.
Physical State	Liquid
Relative Density (Water)	1.190
Solubility (Water)	Complete
Vapor Pressure	N.Av.
Vapor Density	N. Av.
Viscosity	Slightly Viscous
Auto-Ignition Temperature	N.Av.
Decomposition Temperature	N.Av.
Explosive Limits (LEL/UEL)	None
Evaporation Rate	N.Av.
Flammability (Solid, Gas)	N.Ap.
Flash Point	None
Initial Boiling Point/Range	N.Av.
Melting Point/Freezing Point	N.Av.
Odor Threshold	N.Av.
Partition Coeff. (N-Octanol/Water)	N.Av.
Other	N.Av.

10 Stability and Reactivity

• Reactivity	Mixing with incompatibles can release heat + hazardous gases.
• Chemical Stability	Stable.
• Possibility of Hazardous Reactions	See reactivity. Will not polymerize.
• Conditions to Avoid	Temperatures below 35°F (1.6°C) or above 120°F (49°C).
• Materials to Avoid	Bleach, metal and other cleaners. Mix only with water.
• Hazardous Decomposition Products	None under normal conditions.

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11 Toxicological Information

- | | |
|---|---|
| • Routes of Exposure | Eyes, skin, ingestion, inhalation. |
| • Information on Routes of Exposure | No LC50/LD50 test data on mixture. |
| • Acute Effects/Symptoms | Corrosive to all body tissues. |
| Eyes | Causes serious eye damage. May cause pain, redness and watering. |
| Skin | Causes severe skin burns. May cause delayed pain, redness and blistering. |
| Ingestion | Causes burns and serious damage to mouth, throat and stomach. |
| Inhalation | May cause corrosive effects to nose, throat, and respiratory system. |
| • Chronic/Other Effects | No reportable germ cell mutagens, skin sensitizers, respiratory sensitizers, reproductive toxins or aspiration hazards. |
| • Specific Target Organs (Single/Repeated) | None known. |
| • Numerical Measures Of Toxicity | Atemix (oral-rat) = above 2000 mg / kg |
| • Carcinogens | No reportable acgih, iarc, ntp, or osha carcinogens. |

12 Ecological Information

- | | |
|------------------------------------|----------------|
| • Ecotoxicity/Chemical Fate | Not available. |
|------------------------------------|----------------|

13 Disposal Considerations

- **Disposal Method**
undiluted product is regulated under environmental and transportation laws as a corrosive waste (RCRA CLASS D002). Dispose of contents in accordance with all federal, state, and local applicable laws and regulations. Consult state and local authorities for restrictions on disposal of chemical waste. Manage chemical wastes through an approved waste treatment facility. Do not reuse empty container. Rinse empty container thoroughly with water before discarding container in accordance with current local community codes. Please recycle empty container whenever possible. See section 8 For exposure controls/personal protection to minimize exposure.

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14 Transport Information

- **DOT/IMDG/IATA/TDG** UN3264, Corrosive Liquid, Acidic, Inorganic, N.O.S. (Phosphoric Acid), 8, III

15 Regulatory information

- **EPA Cercla RQ** Phosphoric Acid = 5000 Lb
- **EPA Registered** No
- **OSHA Hazardous** Yes
- **Phosphorus Content** See Label
- **Proposition 65** No
- **SARA 311/312 Hazard Categories** See Section 2 For Ghs Hazard Classes.
- **SARA 313 Chemicals** No
- **State Right To Know** Water/7732-18-5, Phosphoric Acid/7664-38-2, Di-tallowamidoethyl Hydroxyethylmonium Methosulfate/68410-69-5, Isopropyl Alcohol/67-63-0
- **TSCA Inventory Status** All components are listed on the inventory.
- **VOC** 1.80% Calculation method used is based on california arb standard.

16 Other information

- **Preparation Date** 8-8-19
- **Prepared by** RC
- **Revised Section** 16
- **Abbreviations**
 - N.Av. Not Available
 - N.Ap. Not Applicable
- **Notice to Reader**

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