



# SAFETY DATA SHEET



## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical Name: VORTEX HIGH PRESSURE DETERGENT

Application: Detergent

Product Number: 2186

UN-Number: N/A

Manufacturer Information: Sunrise Environmental Scientific

Emergency Phone No.

Remit: PO Box 10207 Reno, NV 89510

Chemtrec: 1-800-424-9300

Physical: 1175 Industrial Way Sparks, NV 89431

Phone Number: 775-359-8494 or 800-648-1153

Pages: 3

Web: SUNRISENV.COM

## 2. HAZARDS IDENTIFICATION

### Emergency Overview:

Signal Word: WARNING

Keep out of reach of children.

### Potential Health Effects:

Inhalation: N/D

Skin Contact: Skin contact may cause irritation and/or burning sensation of skin.

Ingestion: N/D



## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient:	CAS #	Component WT%	PEL	TLV	IDLH
Ethyl Alcohol	64-17-1	N/D	100 ppm	1,000 ppm	N/A
Diethanolamine	111-42-2	0%≤1%	N/D	2 mg/m <sup>3</sup>	N/D

Comments: Less than 2% ethanol plus a proprietary blend of surfactants.

## 4. FIRST AID MEASURES

Inhalation: N/A

Skin Contact: Wash skin with a synthetic detergent, avoid solid soap, and apply lanolin cream to replace natural oils.

Ingestion: N/D

Eye Contact: Immediately flush with plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue for at least 15 minutes. Get medical attention.

Additional Information: None

## 5. FIRE FIGHTING MEASURES

Flash Point: Non-Flammable.

Upper Flammable Limit (UEL): N/A

Lower Flammable Limit (LEL): N/A

Auto Ignition: N/D

Rate of Burning: N/D

General Fire Hazards: N/D

Hazardous Combustion Product: May produce oxides of carbon and nitrogen.

Extinguishing Media: Foam, Co2 and/or dry chemicals.

Fire Fighting Equipment/Instructions: Use SCBA equipment.

NFPA Rating: (Flammability 0) (Health 1) (Reactivity 0)

## 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid skin contact.

Environmental Precautions: Isolate and evacuate the spilled area. Prevent additional further leakage or spillage, if safe to do so.

Method for Cleanup & Containment: Soak up spill with absorbent material and dispose according to local and federal regulations.

Additional Information: Follow local and federal regulations with regard to chemical spills.

## 7. HANDLING AND STORAGE

Handling Procedure: Avoid breathing mist or vapors. Avoid prolonged contact with skin. Avoid contact with eye. Wear suitable PPE.

Wash hands thoroughly after handling the product.

Storage Procedures: Keep in away from reactive chemicals in a cool, well ventilated area.

## **8. EXPOSURE CONTROL / PERSONAL PROTECTION**

Occupational Exposure Limits: N/D

ACGIH Components: Use ventilation adequate to maintain TLV.

OSHA Components: No

Engineering Measures: Use fan in confined area. Use local exhaust ventilation.

Personal Protective Equipment (PPE): Utilize suitable protective clothing, and other appropriate PPEs to protect eyes and hands.

Hygiene Recommendations: Use standard hygienic practices.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Clear red

Physical State: Liquid

Vapor Pressure: 0.85 atm.

Boiling Point: 180°F

Solubility (H<sub>2</sub>O): Completely soluble

Freezing Point: N/D

Odor: Cherry odor

pH: N/D

Density: N/D

Vapor Density: >1

Melting Point: N/A

Specific Gravity: 1.01

VOC: 0.0%

## **10. STABILITY AND REACTIVITY**

Chemical Stability: Stable

Conditions to Avoid: None

Incompatibility: Oxidizers, strong bases, reactive metals.

Hazardous Decomposition: Carbon monoxide, carbon dioxide, and oxides of nitrogen.

Hazardous Polymerization: Will not occur.

## **11. TOXICOLOGICAL INFORMATION**

Route of Entry: Eye and skin contact.

Acute Toxicity Data: May cause irritation of eyes and skin.

NTP: No

IARC Monographs: No

Carcinogenicity: No

Chronic Toxicity: None known.

## **12. ECOLOGICAL INFORMATION**

Ecotoxicity: N/D

Persistence and Degradability: N/D

Bioaccumulative potential: N/D

Mobility in Soil: N/D

Other Adverse effects: N/D

## **13. DISPOSAL CONSIDERATIONS**

Disposal Instructions: Follow local and federal disposal regulations for corrosive material. It is recommended to pH neutralize with lime or baking soda and be solidified with stabilizing absorbent material before disposal.

## **14. TRANSPORTATION INFORMATION**

US DOT Information: LIQUID CLEANER CLASS 55

UN-Number: N/A

Marine Pollutant: N/D

Shipping Name: Vortex High Pressure Detergent

Required Label:

## **15. REGULATORY INFORMATION**

Classification: Irritant

Hazard Symbol: Exclamation Point, Health Hazard



### US Federal Regulations

OSHA'S Hazard Communication Rule, 29 CFR 1910.1200-Is a moderate skin irritant, moderate eye irritant and a skin sensitizer.

SARA Title III-This product does contain chemicals component with known CAS number that exceed the threshold reporting levels established by SARA Title III, section 313. Hydrofluoric Acid ≤10%.

### State Regulations

California Prop. 65

**WARNING:** This product can expose you to chemicals including DIETHANOLAMINE, which is known to the State of California to cause cancer and/or cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



## 16. OTHER INFORMATION

### SDS History

Date Prepared: 04/18/2014

Revision Date: 08/29/2018

Contact Information: Sunrise Environmental Scientific  
Remit: PO Box 10207 Reno, NV 89510  
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Web: [SUNRISENV.COM](http://SUNRISENV.COM)

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