



# SAFETY DATA SHEET



## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical Name: VORTEX POWERWASH

Application: N/D

Product Number: 2181

UN-Number: 1824

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: DANGER

Keep out of reach of children.

Potential Health Effects:

Inhalation: Excessive inhalation may cause respiratory irritation.

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

Ingestion: May result in burns to digestive tract.



## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient:	CAS #	Component WT%	PEL	TLV	IDLH
Sodium Hydroxide	1310-73-2	N/D	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	200 mg/m <sup>3</sup>
Potassium Hydroxide	1310-58-3	N/D	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	N/A
*2 Butoxyethanol	111-76-2	N/D	25 ppm	25 ppm	700 ppm
*Diethylene glycol	111-90-0	N/D	N/D	N/D	N/D
Monoethyl ether		N/D	N/D	N/D	N/D

Comments: Coupling/surfactant system is proprietary, no TLV or OSHA values established. WARNING: strong alkaline liquid.

## 4. FIRST AID MEASURES

Inhalation: Move to fresh air. NOTE TO PHYSICIANS: Contains ethylene glycol, administer ethanol.

Skin Contact: Wash off immediately with soap and water.

Ingestion: Do not induce vomiting, drink large quantities of water or milk. Seek immediate medical care. Treat as a caustic ingestion.

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: Not 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 irritating fumes, as well as carbon monoxide and/or other toxic products in fire.

Extinguishing Media: Foam, Co<sub>2</sub>, dry chemicals, or water.

Fire Fighting Equipment/Instructions: Use SCBA equipment. Use caution appropriate to strong alkaline liquid.

NFPA Rating: (Flammability 0) (Health 3) (Reactivity 1)

## **6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Use appropriate PPE to strong alkaline detergent.

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

**Method for Cleanup & Containment:** Isolate spill and neutralize spill with citric acid, . Absorb spill with spill absorbent or like material.

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

## **7. HANDLING AND STORAGE**

**Handling Procedure:** Handle with caution appropriate to strong alkaline detergents.

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

## **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 caution appropriate to highly alkaline detergents.

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

**Appearance:** Straw yellow

**Physical State:** Liquid

**Vapor Pressure:** N/A

**Boiling Point:** 205°F

**Solubility (H2O):** Soluble in water

**Freezing Point:** N/D

**Odor:** Musty ethereal aroma

**pH:** N/D

**Density:** N/D

**Vapor Density:** N/A

**Melting Point:** N/A

**Specific Gravity:** 1.10

**VOC:** 2.6%

## **10. STABILITY AND REACTIVITY**

**Chemical Stability:** Stable

**Conditions to Avoid:** None

**Incompatibility:** Acids, oxidizers, strong chemicals, and metals.

**Hazardous Decomposition:** Carbon monoxide and irritating fumes in fire.

**Hazardous Polymerization:** Will not occur.

## **11. TOXICOLOGICAL INFORMATION**

**Route of Entry:** Inhalation, ingestion, skin and eye contact.

**Acute Toxicity Data:** Respiratory irritation, irritation to skin/eyes, skin burns on prolonged contact. Prolonged eye contact will cause irreversible damage.

**Inhalation can result in CNS depression. Ingestion will cause burns to the digestive tract.**

**NTP:** No

**IARC Monographs:** No

**Carcinogenicity:** No

**Chronic Toxicity:** Chronic ingestion is toxic. Chronic exposure can result in dermatitis.

## **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: UN 1824, SODIUM HYDROXIDE SOLUTION, 8, PG II CLASS 85

Marine Pollutant: N/D

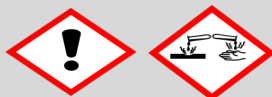
Shipping Name: Vortex Powerwash

Required Label: Corrosive

### 15. REGULATORY INFORMATION

Classification: Toxic, Corrosive

Hazard Symbol: Exclamation Point, Corrosive



US Federal Regulations:

OSHA'S Hazard Communication Rule, 29 CFR 1910.1200-Is a corrosive liquid, 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  $\leq 10\%$ .

State Regulations:

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.

### 16. OTHER INFORMATION

#### SDS History

Date Prepared: 04/18/2014

Revision Date: 03/03/2015

Contact Information: Sunrise Environmental Scientific  
Remit: PO Box 10207 Reno, NV 89510  
Physical: 1175 Industrial Way Sparks, NV 89431  
Phone Number: 775-359-8494 or 800-648-1153  
Web: SUNRISENV.COM

This SDS is designed only as guidance for the products to which it applies. To the greatest extent permitted by applicable law, nothing contained herein creates any legal obligation including contractual obligations, expressed or implied warranties, including any warranties of merchantability or fitness for particular purpose; or confers any intellectual property rights, including rights to use trademarks or a license to use patents, issued or pending. The information contained herein is based on the manufacturer's own study and the work of others, and is subjected to change at any time without further notice. There is no warranty, expressed or implied, as to the accuracy, completeness or adequacy of the information contained herein and neither the provider nor the manufacturer are liable to any party for any damages or nature. Including direct, special or consequential damages arising out of or in connection with accuracy, completeness, adequacy or furnishing of any information in this SDS, or in any other way related (directly or indirectly) to this SDS. The receipt and use of this information constitutes consent to these terms and conditions. The recipients are advised to confirm in advance of need that the information is current, applicable and suitable to their circumstances.