# SAFETY DATA SHEET

**Issue Date** 12-2-2014  
**Revision Date** 03-12-2021  
**Version** 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th><strong>Product Identifier</strong></th>
<th>Simpson Pressure Washer Heavy-Duty Cleaner</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Name</strong></td>
<td>Simpson Pressure Washer Heavy-Duty Cleaner</td>
</tr>
<tr>
<td><strong>Other Means of Identification</strong></td>
<td><strong>SDS #</strong> 1027</td>
</tr>
<tr>
<td><strong>Product Code</strong></td>
<td>1027</td>
</tr>
</tbody>
</table>

**Recommended Use of the Chemical and Restrictions on Use**

**Recommended Use**

Cleaner degreaser

**Details of the Supplier of the Safety Data Sheet**

**Supplier Address**

**Emergency Telephone Number**

**Company Phone Number**

**Emergency Telephone** 1-800-535-5053

## 2. HAZARDS IDENTIFICATION

**GHS Classification**

- Skin Corrosion/Irritation: Category 2
- Eye Damage/Irritation: Category 2A

**Signal Word**

**WARNING**

**Symbols**

![Symbol]

**Emergency Overview:**

- **Physical State:** Liquid
- **Color:** Blue
- **Odor:** Characteristic

**OSHA/HCS status:** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Hazard Statements
CAUSES SKIN IRRITATION.
CAUSES SERIOUS EYE IRRITATION.

Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response
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 attention.
IF ON SKIN: Wash with plenty of soap and water.
Take off contaminated clothing and wash it before reuse.
If skin irritation occurs: Get medical attention.

Precautionary Statements - Storage
Not applicable.

Precautionary Statements - Disposal
Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>75-100</td>
</tr>
<tr>
<td>Sodium Metasilicate</td>
<td>6834-92-0</td>
<td>1-5</td>
</tr>
<tr>
<td>Ethylene Glycol Monobutyl Ether</td>
<td>111-76-2</td>
<td>1-5</td>
</tr>
</tbody>
</table>

The balance of the chemicals in this mixture are either considered nonhazardous or are below the listing limits for hazardous substances. These chemicals are considered trade secrets. The specific identity of these chemicals is available to health professionals.

4. FIRST AID MEASURES

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 irritation persists: get medical attention.

Skin Contact
IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If irritation occurs: get medical attention.

Inhalation
IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Ingestion
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Most Important Symptoms and Effects, both Acute and Delayed
Symptoms
Direct contact with eyes causes serious damage. Substance causes skin irritation.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media
None

Specific Hazards Arising from the Chemical
Dried product is capable of burning. Combustion products are toxic.

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

Methods and Material for Containment and Cleaning Up

Methods for Containment
For small spills, absorb on poly-pads or other suitable non-reactive absorbent material. Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up
Sweep up and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling
Handle in accordance with good industrial hygiene and safety practice. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection recommended in Section 8. Use only in well-ventilated areas. Do not breathe vapors or spray mist.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions
Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

Incompatible Materials
Strong acids/bleaches.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACHIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Metasilicate</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>6834-92-0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethylene Glycol Monobutyl Ether</td>
<td>20 ppm TWA</td>
<td>50 ppm, 24 mg/m3 TWA OSHA Z-1</td>
<td>5 ppm, 24 mg.m3 TWA</td>
</tr>
<tr>
<td>111-76-2</td>
<td></td>
<td>240 mg/m3 TWA OSHA P0</td>
<td></td>
</tr>
</tbody>
</table>

**Recommended monitoring procedures:** If this product contains ingredients with exposure limits, personal, workplace atmosphere or other biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

**Appropriate Engineering Controls:** Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Hygiene measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and the using the bathroom and at the end of the working periods.

**Individual Protection Measures, such as Personal Protective Equipment**

- **Eye/Face Protection**
  - Avoid contact with eyes. Wear safety eyewear.
- **Skin and Body Protection**
  - Wear suitable protective clothing. Use impervious gloves.
- **Respiratory Protection**
  - Not required with expected use. Ensure adequate ventilation, especially in confined areas.
- **General Hygiene Considerations**
  - Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on Basic Physical and Chemical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical State</strong></td>
<td>Liquid</td>
</tr>
<tr>
<td><strong>Appearance</strong></td>
<td>Blue Liquid</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>Blue</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Odor Threshold</td>
</tr>
<tr>
<td><strong>Odor Threshold</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Characteristic</strong></td>
<td></td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>13</td>
</tr>
<tr>
<td><strong>Melting Point/Freezing Point</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Boiling Point/Boiling Range</strong></td>
<td>212 Deg F</td>
</tr>
<tr>
<td><strong>Flash Point</strong></td>
<td>n/a (tcp)</td>
</tr>
<tr>
<td><strong>Evaporation Rate</strong></td>
<td>(H2O=1) =1</td>
</tr>
<tr>
<td><strong>Flammability (Solid, Gas)</strong></td>
<td>n/a-liquid</td>
</tr>
<tr>
<td><strong>Upper Flammability Limits</strong></td>
<td>UEL=n/a</td>
</tr>
<tr>
<td><strong>Lower Flammability Limits</strong></td>
<td>LEL=n/a</td>
</tr>
<tr>
<td><strong>Vapor Pressure</strong></td>
<td>20@68F</td>
</tr>
<tr>
<td><strong>Vapor Density</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Specific Gravity</strong></td>
<td>1.017</td>
</tr>
<tr>
<td><strong>Water Solubility</strong></td>
<td>Soluble in water</td>
</tr>
<tr>
<td><strong>Solubility in Other Solvents</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Partition Coefficient</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Autoignition Temperature</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Decomposition Temperature Kinematic</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Dynamic Viscosity</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Explosive Properties Oxidizing</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Properties</strong></td>
<td>Not determined</td>
</tr>
</tbody>
</table>

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10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions.

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
Keep out of reach of children.

Incompatible Materials
Strong acids/bleaches

Hazardous Decomposition Products
Alkaline vapors in a fire.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Eye Contact Causes serious eye irritation. Skin Contact Causes skin irritation.

Inhalation Irritating to the mucus membranes of the respiratory tract. Nasal discomfort and coughing.

Ingestion May be harmful if swallowed.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>90,000 mg/kg (rat)</td>
<td>Data not available</td>
<td>Data not available</td>
</tr>
<tr>
<td>Sodium Metasilicate 6834-92-0</td>
<td>2350 mg/kg (rat)</td>
<td>Data not available</td>
<td>Data not available</td>
</tr>
<tr>
<td>Ethylene Glycol Monobutyl Ether 111-76-2</td>
<td>1200 mg/kg (guinea pig)</td>
<td>&gt;2,000 mg/kg</td>
<td>663, ppm 4 h</td>
</tr>
</tbody>
</table>

Information on Physical, Chemical and Toxicological Effects

Symptoms
Please see section 4 of this SDS for symptoms.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity
This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical Measures of Toxicity
12. ECOLOGICAL INFORMATION

Ecotoxicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Metasilicate 6834-92-0</td>
<td>EC50: (Scenedesmus subspicatus): 72 h: .207 mg/L</td>
<td>LC50: 96 h (Brachydanio rerio): 210 mg/L</td>
<td>Data not available</td>
<td>EC50: Daphnia magna</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>48h: &gt;1700 mg/l</td>
</tr>
<tr>
<td>Ethylene Glycol Monobutyl Ether</td>
<td>EC50 (Pseudokirchneriella subcapitata (green algae)): 911 mg/L. Endpoint: Biomass</td>
<td>LC50 (Oncorhynchus mykiss (rainbow trout)): 1.474 mg/l.</td>
<td>Data not available</td>
<td>EC50 (Daphnia magna)</td>
</tr>
<tr>
<td>111-76-2</td>
<td></td>
<td></td>
<td></td>
<td>(Water flea)): 1.800 mg/l Exposure time: 48h</td>
</tr>
</tbody>
</table>

Persistence and Degradability

Not determined

Bioaccumulation

Not expected to bioaccumulate significantly.

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging
Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note
Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT
Not regulated.

IATA
Not available.

IMDG
Not available.

TDG
Not regulated.

15. REGULATORY INFORMATION

International Inventories
Not determined

US Federal Regulations
SARA 313 Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical which is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

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<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
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<td>1-5</td>
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</table>

**U.S. State Right-to-Know Regulations**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene Glycol Monobutyl Ether</td>
<td>90-100%</td>
<td>90-100%</td>
<td>90-100%</td>
</tr>
</tbody>
</table>

**California Prop 65**: This product contains no chemicals known to the State of California to cause cancer and reproductive toxicity.

### 16. OTHER INFORMATION

**NFPA**

<table>
<thead>
<tr>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

**HMIS**

<table>
<thead>
<tr>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>0</td>
<td>0</td>
<td>B</td>
</tr>
</tbody>
</table>

**Issue Date** December- 02-2014  
**Revision Date** June-29-2015  

**Disclaimer**
The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet