SAFETY DATA SHEET

This SDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

Section I - Product & Company Identification

Product identifier
Product name: POW
Product form: Liquid
Other means of identification: 0102

Relevant identified uses of the substance or mixture: All purpose cleaner

Details of the supplier of the safety data sheet
Manufacturer:
Diversified Chemical Products, Inc. 4124 B NW Riverside Street, Riverside, MO 64150
Phone: 816-472-5515
Emergency telephone number
Emergency number: CHEMTREC: 1-800-424-9300

Section II – Hazards Identification

Classification
Acute toxicity, oral Category 4
Acute toxicity, inhalation Category 2
Skin corrosion/irritation Category 1
Serious eye damage/Irritation Category 1
Specific target organ toxicity- single exposure (Category 3), Respiratory system.
Specific target organ toxicity- single exposure (Category 2)
Acute Aquatic hazard Category 2

Pictogram

Signal Word
Danger
Hazard Statements
Harmful if swallowed.
Causes severe skin burns and eye damage.
Causes serious eye damage.
Fatal if inhaled.
May cause damage to organs.
Toxic to aquatic life.
**Precautionary Statements – Prevention**
Keep container tightly closed.
Use only outdoors or in a well-ventilated area.
Do not breathe mist or vapor.
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Wear protective gloves/protective clothing/eye protection/face protection.
Wear respiratory protection.
Avoid release to the environment.

**Precautionary Statements - Response**
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation occurs
IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Rinse mouth.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

**Precautionary Statements – Storage**
Store in a well ventilated place. Keep container tightly closed. Store locked up.

**Precautionary Statements - Disposal**
Dispose of contents/container to an approved waste treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

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**Section III –Composition/Information on ingredients**

<table>
<thead>
<tr>
<th>Mixture</th>
<th>CAS No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkyl dimethyl benzyl ammonium chloride (C12-16)</td>
<td>68424-85-1</td>
<td>1-5</td>
</tr>
<tr>
<td>Sodium metasilicate</td>
<td>6834-92-0</td>
<td>1-5</td>
</tr>
<tr>
<td>Nonylphenol, ethoxylated</td>
<td>127087-87-0</td>
<td>1-5</td>
</tr>
</tbody>
</table>

Any concentration shown as a range is to protect confidentiality or is due to process variation.

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**Section IV – First Aid Measures**

**Inhalation:** Remove to fresh air. If breathing stops, provide artificial respiration. Immediately call a POISON CENTER or doctor/physician.

**Eye Contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.

**Ingestion:** Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin Contact: Remove contaminated clothing, wash victim with plenty of water. If skin irritation persists, call a physician.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms
Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians: Treat symptomatically.

Section V – Fire Fighting Measures

Suitable Extinguishing Media
Water fog, alcohol resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical
Carbon oxides, gases hazardous to health may be formed.

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

Section VI – Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions
Immediately evacuate personnel to safe areas. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained.

Methods and Material for Containment and Cleaning Up

Methods for Containment: Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading.

Methods for Cleaning Up: Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Keep in suitable, closed containers for disposal.
Section VII – Handling & Storage

Precautions for Safe Handling

Advice on Safe Handling: Do not breathe mist or vapor. Do not get this material in contact with eyes. Do not get this material in contact with skin. Do not taste or swallow. Do not get this material on clothing. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Avoid release to the environment. Do not empty into drains.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. Store in a dry place no lower in temperature than 50°F or higher than 120°F. Store locked up. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

Section VIII – Exposure Controls/ Personal Protection

Exposure Guidelines

No exposure limits noted for ingredients.

Appropriate Engineering Controls

Engineering Controls: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: Wear approved safety goggles where a splash hazard exists.

Skin and Body Protection: Wear suitable chemical resistant clothing.

Respiratory Protection: Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations: When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
Section IX – Physical & Chemical Properties

Information on Basic Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Red</td>
</tr>
<tr>
<td>pH</td>
<td>12.75-13.75</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt; 93.9 °C (&gt; 201 °F)</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Estimated slower than ethyl ether</td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>n/a-liquid</td>
</tr>
<tr>
<td>Upper Flammable Limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Lower Flammable Limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Estimated heavier than air</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.04</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility in Other Solvents</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Dynamic Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>Not an Explosive</td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>Not an oxidizer</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild citrus</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not Determined</td>
</tr>
</tbody>
</table>

Section X – Stability & Reactivity

Reactivity
Not reactive under normal conditions.

Chemical Stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
No dangerous reaction known under conditions of normal use.

Conditions to Avoid
Avoid freezing temperatures.

Incompatible Materials  Strong oxidizing agents.

Hazardous Decomposition Products
Carbon oxides.
Section XI - Toxicological information

Information on Likely Routes of Exposure

Product Information

**Inhalation:** Fatal if inhaled. May cause damage to organs by inhalation.

**Eye Contact:** Causes serious eye damage.

**Skin Contact:** Causes severe skin burns.

**Ingestion:** Harmful if swallowed. Causes digestive tract burns.

This product as a whole has not been tested for acute toxicity; the following is based on component data:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkyl dimethyl benzyl ammonium chloride (C12-16)</td>
<td>68424-85-1</td>
<td>344 mg/kg(Rat)</td>
<td>&gt;2,000 mg/kg(Rabbit)</td>
<td>0.054-0.51 mg/l</td>
</tr>
<tr>
<td>Sodium metasilicate</td>
<td>6834-92-0</td>
<td>1152-1349 mg/kg(Rat)</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Nonylphenol, ethoxylated</td>
<td>127087-87-0</td>
<td>No data available</td>
<td>&gt;2,000 mg/kg(Rabbit)</td>
<td>No data available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Alkyl dimethyl benzyl ammonium chloride (C12-16)</th>
<th>Sodium metasilicate</th>
<th>Nonylphenol, ethoxylated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>Skin burns</td>
<td>corrosive</td>
<td>irritation</td>
</tr>
<tr>
<td>Serious eye damage/irritiation</td>
<td>Serious eye damage</td>
<td>Serious eye damage</td>
<td>Serious eye damage</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>No data available</td>
<td>Not a sensitizer</td>
<td>Not a sensitizer</td>
</tr>
<tr>
<td>Mutagenicity</td>
<td>No data available</td>
<td>Negative results</td>
<td>No data available</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified as carcinogen</td>
<td>Not classified as carcinogen</td>
<td>Not classified as carcinogen</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not expected to cause</td>
<td>No data available</td>
<td>Not expected to cause</td>
</tr>
<tr>
<td>Specific target organ toxicity-</td>
<td>May damage organs</td>
<td>Narcotic effects.</td>
<td>Not classified</td>
</tr>
<tr>
<td>Single exposure</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specific target organ toxicity-repeated</td>
<td>Not applicable</td>
<td>No data available</td>
<td>Not classified</td>
</tr>
<tr>
<td>exposure</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not applicable</td>
<td>No data available</td>
<td>Not a hazard.</td>
</tr>
</tbody>
</table>

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:** Not determined
Section XII - Ecological information

There is no data available for this product as a whole.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Aquatic invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkyl dimethyl benzyl ammonium chloride (C12-16)</td>
<td>68424-85-1</td>
<td>EC50 Algae 0.063 mg/l, 96 h</td>
<td>LC50 Fish 0.028 ppm, 96 h</td>
<td>0.0058-0.016 mg/l, 48 h</td>
</tr>
<tr>
<td>Sodium metasilicate</td>
<td>6834-92-0</td>
<td>No data available</td>
<td>LC50 - Danio rerio (zebra fish) - 210 mg/l - 96 h</td>
<td>No data available</td>
</tr>
<tr>
<td>Nonylphenol, ethoxylated</td>
<td>127087-87-0</td>
<td>No data available</td>
<td>LC50 Fathead minnow (Pimephales promelas) 73 - 96 mg/l, 96 hours</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Persistence and Degradability
No data available

Bioaccumulation
No data available

Mobility
No data available

Section XIII - Disposal considerations

Waste Disposal Method
Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State. Avoid discharge to sewers or waterways.

Section XIV - Transport information

DOT Proper Shipping Description:
Bulk & Non-Bulk: UN1760 Corrosive liquid, N.O.S. (Quaternary ammonium chloride, Sodium metasilicate), 8, PGIII

Section XV - Regulatory information

SARA Title III Section 311/312 (40CFR370): Acute health hazard
SARA Title III Section 313 (40CFR372): No reportable components.
RCRA Status (40CFR261.33): No reportable components.
TSCA Inventory Status: Reported/included
OSHA/NTP/IARC Carcinogen Status: Not listed
Canadian DSL Status: listed
Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity:
This material is not known to contain chemicals currently listed as carcinogens or reproductive toxins.
### 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>Alkyl dimethyl benzyl ammonium chloride (C12-16)</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>Sodium metasilicate</td>
<td>X</td>
<td>Not regulated</td>
<td>X</td>
</tr>
<tr>
<td>Nonylphenol, ethoxylated</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
</tbody>
</table>

### Section XVI - Other information

**HMIS ratings:**
- Health: 3
- Flammability: 0
- Reactivity: 0

Indication of changes: Revision – 1
Date Sheet Prepared: 07/07/2015  Other information: Author – EHS Administrator

The information herein is presented in good faith and believed to be correct as of the date hereof. However, the manufacturer makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use.

No representations or warranty’s, either express or implied of merchantability, fitness for a particular purpose or of any other nature with respect to the product or to the information herein is made hereunder. The manufacturer shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon information contained herein.

**END OF SDS**