



## SAFETY DATA SHEET

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

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### Section I - Product & Company Identification

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#### 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

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### Section II – Hazards Identification

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#### 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**

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### **Mixture**

<b>Name</b>	<b>CAS No</b>	<b>Weight %</b>
Alkyl dimethyl benzyl ammonium chloride (C12-16)	68424-85-1	1-5
Sodium metasilicate	6834-92-0	1-5
Nonylphenol, ethoxylated	127087-87-0	1-5

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**

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### **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.

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## **Section V – Fire Fighting Measures**

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### **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.

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## **Section VI –Accidental Release Measures**

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### **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.

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## **Section VII – Handling & Storage**

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### **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).

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## **Section VIII – Exposure Controls/ Personal Protection**

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### **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

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## Section IX – Physical & Chemical Properties

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### Information on Basic Physical and Chemical Properties

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

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## Section X – Stability & Reactivity

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### **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:

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

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

### 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

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## Section XII - Ecological information

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

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

### **Persistence and Degradability**

No data available

### **Bioaccumulation**

No data available

### **Mobility**

No data available

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## Section XIII - Disposal considerations

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### **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.

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## Section XIV - Transport information

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### **DOT Proper Shipping Description:**

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

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## Section XV - Regulatory information

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**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**

<b>Chemical Name</b>	<b>New Jersey</b>	<b>Massachusetts</b>	<b>Pennsylvania</b>
Alkyl dimethyl benzyl ammonium chloride (C12-16)	Not regulated	Not regulated	Not regulated
Sodium metasilicate	X	Not regulated	X
Nonylphenol, ethoxylated	Not regulated	Not regulated	Not regulated

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**Section XVI - Other information**

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

Indication of changes:            Revision – 1

Date Sheet Prepared: 07/07/2015      Other information: Author – EHS Administrator

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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**