



your partner in food safety

Issue Date: 10-Oct-2018

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Version 1

## 1. IDENTIFICATION

Product identifier

**Product Name** Pow-Quat

Other means of identification

**SDS #** BIR-040

**Product Code** I01930

Recommended use of the chemical and restrictions on use

**Recommended Use** Moderate foaming Quat based cleaner for floors.

Details of the supplier of the safety data sheet

**Supplier Address**

Birko Corporation  
9152 Yosemite Street  
Henderson, CO 80640-8027  
www.birkocorp.com

Emergency telephone number

**Company Phone Number** Phone: 303-289-1090 or 1-800-525-0476

Fax: 303-289-1190

**Emergency Telephone** Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

**Appearance:** White-blue powder

**Physical state:** Solid

**Odor:** Odorless

Classification

Acute toxicity - Inhalation (Dusts/Mists)

Category 4

Signal Word

Warning

Hazard statements

Harmful if inhaled



Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area

**Precautionary Statements - Response**

IF INHALED: Remove person to fresh air and keep comfortable for breathing  
 Call a POISON CENTER or doctor if you feel unwell

**Other hazards**

Toxic to aquatic life with long lasting effects

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical name	CAS No.	Weight-%
Sodium percarbonate	15630-89-4	20-30
Sodium carbonate	497-19-8	<5

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret. \*\*

**4. FIRST AID MEASURES****Description of first aid measures**

**Eye Contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin Contact** Wash off immediately with plenty of water for at least 15 minutes.

**Inhalation** Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

**Ingestion** Clean mouth with water and drink afterwards plenty of water.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** May be harmful if swallowed. May be harmful in contact with skin. Harmful if inhaled.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Water. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam blanket.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Not determined.

**Hazardous combustion products** Carbon oxides liberated during combustion. Nitrogen oxide liberated during combustion.

**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** Use personal protective equipment as required.

### Environmental precautions

**Environmental precautions** Avoid contamination of food, feed, waterway, sewers, or groundwater.

### Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** In Solution: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for disposal. Powder: Remove all non-necessary personal from spill area, preferred upwind of spill site. Wear NIOSH approved respiratory protection and sweep material in a recovery drum for disposal or reuse.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on Safe Handling** Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep container closed when not in use. Store in a cool, dry, well-ventilated place.

**Incompatible Materials** Anionic surfactants. Strong alkalis. Acids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### Appropriate engineering controls

**Engineering Controls** Provide local exhaust ventilation where dust or mist may be generated. Ensure compliance with applicable exposure limits.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Safety glasses.

**Skin and Body Protection** Chemical resistant protective gloves. Suitable protective clothing.

**Respiratory Protection** Use only a NIOSH approved dust mask when in contact with powdered products as necessary. If eye irritation occurs use a full-face style mask. If respirators are warranted in the workplace a respiratory protection programs must meet 29 CFR 1910.134, and be followed.

**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

Physical state	Solid	Odor	Odor Threshold	Odorless Not determined
Appearance	White-blue powder			
Color	Not determined			
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>		
pH	9.5 (1% solution)			
Melting point / freezing point	Not determined			
Boiling point / boiling range	Not determined			
Flash point	Not determined			
Evaporation Rate	Not determined			
Flammability (Solid, Gas)	Not flammable			
Flammability Limit in Air				
Upper flammability or explosive limits	Not determined			
Lower flammability or explosive limits	Not determined			
Vapor Pressure	Not determined			
Vapor Density	Not determined			
Relative Density	Not determined			
Water Solubility	100%			
Solubility in other solvents	Not determined			
Partition Coefficient	Not determined			
Autoignition temperature	Not determined			
Decomposition temperature	Not determined			
Kinematic viscosity	Not determined			
Dynamic Viscosity	Not determined			
Explosive Properties	Not determined			
Oxidizing Properties	Not determined			

## 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**      This product does not polymerize.

### Conditions to Avoid

Keep out of reach of children.

### Incompatible materials

Anionic surfactants. Strong alkalis. Acids.

### Hazardous decomposition products

Carbon oxides liberated during combustion. Nitrogen oxide liberated during combustion.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin Contact</b>	May be harmful in contact with skin.
<b>Inhalation</b>	Harmful if inhaled.
<b>Ingestion</b>	May be harmful if swallowed.

### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium percarbonate 15630-89-4	= 1034 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	-
Sodium carbonate 497-19-8	= 4090 mg/kg ( Rat )	-	-
Alkyl dimethyl benzyl ammonium chloride (C12-18) 68391-01-5	= 850 mg/kg ( Rat )	= 2300 mg/kg ( Rabbit )	-

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Symptoms</b>	Please see section 4 of this SDS for symptoms.
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### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Carcinogenicity</b>	Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
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### Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

<b>Oral LD50</b>	2,335.07 mg/kg
<b>Dermal LD50</b>	2,103.20 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	1.93 mg/L

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Component Information

Chemical name	Algae/aquatic plants	Fish	Crustacea
Sodium percarbonate 15630-89-4	70: 240 h Chlorella emersonii mg/L EC50	70.7: 96 h Pimephales promelas mg/L LC50 static	4.9: 48 h Daphnia pulex mg/L EC50
Sodium carbonate 497-19-8	242: 120 h Nitzschia mg/L EC50	300: 96 h Lepomis macrochirus mg/L LC50 static 310 - 1220: 96 h Pimephales promelas mg/L LC50 static	265: 48 h Daphnia magna mg/L EC50

### Persistence/Degradability

Not determined.

### Bioaccumulation

There is no data for this product.

**Mobility**

Not determined

**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.

**California Hazardous Waste Status**

Chemical name	California Hazardous Waste Status
Sodium percarbonate 15630-89-4	Ignitable
Sodium carbonate 497-19-8	Corrosive

**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 regulated

**IMDG**

Not regulated

**15. REGULATORY INFORMATION****International Inventories**

Chemical name	TSCA	DSL/NDSL	EINECS/E LINCS	ENCS	IECSC	KECL	PICCS	AICS
Sodium percarbonate	X	X	X	X	X	X	X	X
Sodium carbonate	X	X	X	X	X	X	X	X
Alkyl dimethyl benzyl ammonium chloride (C12-18)	X	X	X	X	X	X	X	X
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	X	X	X		X			

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

**US Federal Regulations****CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

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

This product does not contain any substances regulated under applicable state right-to-know regulations

**16. OTHER INFORMATION**

<u>NFPA</u>	<u>Health Hazards</u>	<u>Flammability</u>	<u>Instability</u>	<u>Special Hazards</u>
	1	0	0	
<u>HMIS</u>	<u>Health Hazards</u>	<u>Flammability</u>	<u>Physical hazards</u>	<u>Personal Protection</u>
	0	1	1	E

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**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**