

# PROtech SAFETY DATA SHEET

## 1. PRODUCT IDENTIFICATION

Product Name: SPA SOFT SHOCK  
Synonym(s): Oxone® Monopersulfate Compound PS-16; Potassium Monopersulfate; Potassium Peroxymonosulfate  
Recommended Uses: Cleaning Agent, Oxidizing Agent  
SDS Reference: 85

Company Information: ALLCHEM PERFORMANCE PRODUCTS, INC. Distributed By: WINDO  
6010 NW FIRST PLACE 6934 EAST FIRST AVENUE SUITE 101  
GAINESVILLE, FL 32607 SCOTTSDALE AZ 85251  
Tel: 352-378-9696  
24 HOUR EMERGENCY NUMBER: INFOTRAC (TRANSPORTATION): 1-800-535-5053

## 2. HAZARD(S) IDENTIFICATION

Classification: CORROSIVE  
Signal Word: DANGER



Hazard Statements: HEALTH HAZARDS: Corrosive.  
Skin Corrosion - Causes severe skin burns - Category 1B;  
Serious Eye damage/eye irritation - Causes serious eye damage - Category 1.  
Acute toxicity (oral) - Harmful if swallowed - Category 4.  
ENVIRONMENTAL HAZARDS: Harmful to aquatic life with long lasting effects.

Precautionary Statements: Do not get in eye, on skin, or on clothing. Avoid release to the environment. Wear protective gloves / protective clothing / eye protection / face protections. Dispose of contents/container to an approved waste disposal plant.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned, get medical attention.

Skin Contact: Remove / take off immediately all contaminated clothing. Rinse skin with water / shower.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Ingestion: Rinse mouth. Do NOT induce vomiting. Call a Poison Center or doctor if you feel unwell.

## 3. COMPOSITION

	<u>PERCENT %</u>	<u>CAS #</u>
Chemical Name: Pentapotassium bis(peroxymonosulphate) bis(sulphate)		70693-62-8

## 4. FIRST AID

If In Eyes: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

If on Skin or Clothing: Immediately flush skin with plenty of water for 15 minutes. Remove contaminated clothing. Wash contaminated clothing before reuse. If irritation persists, get medical attention.

If Inhaled: Remove to fresh air. Call a physician immediately.

If Swallowed: Clean mouth with water and drink afterwards plenty of water. If a person vomits when lying on back, place them in the recovery position. Do NOT induce vomiting. If swallowed, seek medical advice immediately and show container or label to physician. Never give anything by mouth to an unconscious person.

Note: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

## 5. FIREFIGHTING MEASURES

Suitable / Unsuitable Extinguishing Media: Water. Do not use high volume water jet.

Specific Hazards from Chemical: Cool closed containers exposed to fire with water spray. Fight any surrounding fire with suitable fire-extinguishing agents. Flood small amounts of decomposing products with water (add foaming agent to the water for better penetration). Remove any unaffected product. Control smoke with water spray. This product is an NFPA Class 1 Oxidizer.

Special Protective Equipment: Wear self-contained breathing apparatus and protective suit.

Other Information: Do not allow run-off from the fire fighting to enter drains or water courses.

## 6. ACCIDENTAL RELEASE MEASURES

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**Personal Precautions:** Avoid contact with skin, eyes and clothing. Avoid breathing dust. Wear personal protective equipment. Ensure adequate ventilation, especially in confined areas.

**Methods and Materials for cleanup:** Remove mechanically with care (e.g. with clean polyethylene plastic shovel). Avoid dust formation. Wash small residues with plenty of water.  
Do not release into the environment. Do not contaminate water. Do not allow material to contaminate ground water system. If the product contaminates rivers and lakes or drains, inform respective authorities. Never add other substances or waste material to product residue. Offer surplus and non-recyclable solutions to a licensed disposal company.

## **7. HANDLING AND STORAGE**

**Handling:** For personal protection see Section 8. Product is hygroscopic. Never pour product residue back into storage container. Risk of decomposition. Keep away from combustible materials. Avoid dust formation.

**Storage:** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat. Avoid impurities (e.g. rust, dust or ash), risk of decomposition. Protect from moisture. Store away from other dangerous and incompatible materials.  
(NFPA Oxidizer Class 1)

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS**

**OSHA permissible exposure limit:** Contains no substances with occupational exposure limit values.  
DNEL Pentapotassium bis(peroxymonosulphate)bis(sulphate):

**End-User:**  
Inhalation: 0.28 mg/m<sup>3</sup> - long term systemic effects  
Inhalation: 50 mg/m<sup>3</sup> - acute systemic effects  
Inhalation: 0.28 mg/m<sup>3</sup> - long-term local effects  
Inhalation: 50 mg/m<sup>3</sup> - acute local effects  
Skin Contact: 20 mg/kg - long-term systemic effects  
Skin Contact: 80 mg/kg - acute systemic effect  
Skin Contact: 0.449 mg/cm<sup>2</sup> - acute local effects

**Consumer:**  
Inhalation: 0.14 mg/m<sup>3</sup> - long term systemic effects  
Inhalation: 25 mg/m<sup>3</sup> - acute systemic effects  
Inhalation: 0.14 mg/m<sup>3</sup> - long-term local effects  
Skin Contact: 10 mg/kg - long-term systemic effects  
Skin Contact: 40 mg/kg - acute systemic effect  
Skin Contact: 25 mg/m<sup>3</sup> - acute local effects  
Skin Contact: 0.22 mg/cm<sup>2</sup> - acute local effects  
Ingestion: 10 mg/kg - local effects  
Ingestion: 10 mg/kg - acute systemic effects

**Appropriate Engineering Controls:** Provide adequate ventilation.

**Individual Protection Measures:** Respiratory Protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.  
Hand Protection: Material - impervious gloves.  
Eye Protection: Wear safety glasses or overall chemical splash goggles.  
Skin and Body Protection: Where there is potential for skin contact, have available and wear as appropriate, impervious gloves, apron, pants, jacket, hood and boots. Remove and wash contaminated clothing before re-use.  
Protective Measures: When using, do not eat or drink. Do not breathe dust.

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

<b>Appearance:</b> White Solid Granules	<b>Flammability (solid/gas):</b> solid / gaseous. Does not ignite
<b>Odor:</b> None	<b>Upper/lower Flammability or</b> No data available
<b>Odor Threshold:</b> No data available	<b>Exposure limits:</b>
<b>pH:</b> 2.3 (1% in water)	<b>Vapor Pressure:</b> <0.0017Pa at 25°C
<b>Melting Point/Freezing Point:</b> Not Applicable. Decomposes before melting.	<b>Vapor Density:</b> No data available
	<b>Density:</b> 1.100 g/l
	<b>Solubility(ies):</b> 250 g/l at 20°C

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Initial Boiling Point/Boiling Range: Not Applicable

Flash Point: Not Applicable

Evaporation Rate: No data available

Partition Coefficient: n-octanol/water: log Pow: <0.3 at 20°C

Auto-ignition Temperature: Not auto-flammable

Decomposition Temperature: >80°C, SADT.

Viscosity: No data available

## **10. STABILITY AND REACTIVITY**

Stability/Reactivity: Stable under recommended storage conditions.

Possibilities of Hazardous Reactions: Even small amounts of moisture or impurities can noticeably reduce the self-accelerating decomposition temperature (SADT).

Conditions to Avoid: Keep away from heat and sources of ignition. Protect from moisture.

Incompatible Materials: Accelerators, strong acids, and bases, heavy metals and heavy metal salts, reducing agent. Avoid impurities (e.gg rust, dust ash), risk of decomposition.

Hazardous Decomposition Materials: Build-up of dangerous/toxic fumes possible in cases of fire/high temperatures.

## **11. TOXICOLOGICAL INFORMATION**

Acute Toxicity: Pentapotassium bis(peroxymonosulphate) bis(sulphate):  
Dermal LD50 (rat): >2,000 mg/kg.  
Oral LD50 (rat): 500 mg/kg.  
Inhalation LC50 (rat) - >5 mg/l (4 hr exposure)

Skin Corrosion/Irritation: Rabbit: Corrosive after 3 minutes to 1 hour exposure.  
Serious Eye Damage / Eye Irritation: Rabbit: Irreversible effects on the eye.  
Sensitization; Guinea pig - negative

Chronic Toxicity: No data available.

Reproductive Toxicity: No data available.

Carcinogenicity: No data available.

Mutagenicity: Genotoxicity in vitro: Ames test: negative

## **12. ECOLOGICAL INFORMATION**

Aquatic Toxicity: Pentapotassium bis(peroxymonosulphate) bis(sulphate):  
96 h LC50: Oncorhynchus mykiss (rainbow trout): 53 mg/  
96 h ErC50: Pseudokirchneriella subcapitata (green algae): >1 mg/l  
48 h EC50: Daphnia magna (water flea): 3.5 mg/l  
18 h EC50: Pseudomonas putida: 179 mg/l  
37 d NOEC: Cyprinodon variegatus (sheepshead minnow): 0.222 mg/l  
24 d NOEC: daphnia and other aquatic invertebrates: 0.267 mg/l

Avian Toxicity: No data available.

Environmental Hazards: No data available.

## **13. DISPOSAL CONSIDERATIONS**

Disposal: Dispose of in accordance with local, state and federal regulations.

## **14. TRANSPORTATION INFORMATION**

Transportation: Please refer to applicable regulations or call company noted under Section I.

## **15. REGULATORY INFORMATION**

TSCA: USA: Reported in the EPA TSCA Inventory.

SARA (311, 312): Acute Health Hazard.

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Right To Know Hazardous Substance List: California Prop 65 - Chemicals known to the State of California to cause cancer, birth defects or any other harm: none known.

New Jersey - Potassium hydrogen sulphate is listed on NJ Workplace Hazardous Substance list present at a concentration of 1% or more (0.1% for substances identified as carcinogens, mutagens or teratogens)

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Waste Classification: No data available.

Workplace Classification: This product is considered hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).

CERCLA Reportable  
Quantity: Not applicable.

## **16. OTHER INFORMATION**

ALWAYS COMPLY WITH ALL APPLICABLE INTERNATIONAL, FEDERAL, STATE AND LOCAL REGULATIONS REGARDING THE TRANSPORTATION, STORAGE, USE AND DISPOSAL OF THIS CHEMICAL. Due to the changing nature of regulatory requirements, the REGULATORY INFORMATION listed in Section 15 of this document should NOT be considered all-inclusive or authoritative. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements. The information in this SDS was obtained from sources, which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

HMIS Rating: Health: 3  
Flammability: 0  
Reactivity: 1

NFPA Rating: No data available

Revision Date: 3/16/2015

Special Hazard Warning: No data available