



# SAFETY DATA SHEET

## 1. PRODUCT IDENTIFICATION

Product Name: NO-CHLOR  
 Synonym(s): Oxone® Monopersulfate Compound PS-16; Potassium Monopersulfate; Potassium Peroxymonosulfate; No-Chlor  
 Recommended Uses: Cleaning Agent, Oxidizing Agent  
 SDS Reference: 85

Company Information: ALLCHEM PERFORMANCE PRODUCTS, INC. Distributed By: WATER TECHNIQUES, INC  
 6010 NW FIRST PLACE 14260 W. NEWBERRY RD #162  
 GAINESVILLE, FL 32607 NEWBERRY FL 32669  
 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.

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC):  
 Causes digestive tract burns. Causes respiratory tract burns.

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. Store locked up. 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. Get medical attention immediately.

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

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if not well.

Ingestion: Rinse mouth. Do NOT induce vomiting. Call a Poison Center or doctor immediately.

## 3. COMPOSITION

	PERCENT %	CAS #
Chemical Name: Pentapotassium bis(peroxymonosulphate) bis(sulphate)	86 - 96	70693-62-8
Dipotassium peroxodisulphate	0 - 5	7727-21-1
Potassium hydrogen sullphate	0 - 5	7646-93-7
Dipotassium disulphate	0 - 5	7790-62-7

## 4. FIRST AID

If In Eyes: Immediately flush eyes with plenty of water for at least 15 minutes. Immediately 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: Call a physician immediately. Clean mouth with water and drink small amounts of water. If a person vomits when lying on back, place them in the recovery position. Do NOT induce vomiting. 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: Water, foam or dry chemical. Do not use high volume water jet or carbon dioxide.  
 Extinguishing Media:



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Specific Hazards from Chemical: Toxic or irritating gases/fumes may be given off during burning or thermal decomposition. Water runoff from fire fighting may be corrosive. 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

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. Do not store over 122 deg F.  
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: Dipotassium peroxodisulphate:  
ACGIH TLV: TWA: 0.1 mg/m3 (as persulfate) - 8 hours.

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 coverall 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

Appearance:	White Solid Granules	Flammability (solid/gas):	solid / gaseous. Does not ignite
Odor:	None	Upper/lower Flammability or	No data available
Odor Threshold:	No data available	Exposure limits:	No data available
pH:	2.1	Vapor Pressure:	No data available
Melting Point/Freezing Point:	>50°C (>122°F)	Vapor Density:	No data available
Initial Boiling Point/Boiling Range:	Not Applicable	Density:	2.35 g/cm3
Flash Point:	Not Applicable	Solubility(ies):	297 - 357 g/l
Evaporation Rate:	No data available	Partition Coefficient: n-octanol/water:	No data available
		Auto-ignition Temperature:	Not auto-flammable
		Decomposition Temperature:	>50°C (122°F)
		Viscosity:	No data available

## 10. STABILITY AND REACTIVITY

Stability/Reactivity: Stable under recommended storage conditions.



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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:	Oxygen / Sulphur dioxide / sulphur trioxide

## **11. TOXICOLOGICAL INFORMATION**

Acute Toxicity:	Oxone TM PS-16: Dermal LD50 (rat): >5000 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:	Pentapotassium bis (peroxymonosulphate) bis (sulphate): Sub-Acute NOEL Oral (rat): >1000 mg/kg bw/day; 28 days Sub-chronic LOAEL Oral (rat): 600 mg/kg bw/day: 90 days, 7 days per week daily
Reproductive Toxicity:	No data available.
Carcinogenicity:	No classified as carcinogenic.
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/l 72 h EC50: Pseudokirchneriella subcapitata (green algae): >1 mg/l 48 h EC50: Daphnia magna (water flea): 3.5 mg/l 72 h OECD: Algae- Pseudokirchneriella subcapitata Fresh Water: 0.5 mg/l
	Dipotassium Peroxodisulphate: 72 h EC50: Algae- Pseudokirchneriella subcapitata: 83.7 mg/l 48 h EC: daphnia:120 mg/l 96 h LC50: Oncorhynchus mykiss (rainbow trout): 76.3 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.
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## **14. TRANSPORTATION INFORMATION**

Package exceptions may be applicable. Refer to the appropriate IMDG, IATA and/or 49 CFR regulations accordingly.

DOT:	UN3260, Corrosive Solid, Acidic, Inorganic, n.o.s. (Monopersulfate Compound), 8, PG II
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## **15. REGULATORY INFORMATION**

TSCA:	USA: Reported in the EPA TSCA Inventory.
SARA (311, 312):	Acute Health Hazard.
SARA 313:	Not applicable.
Right To Know Hazardous Substance List:	California Prop 65 - Not listed. 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)
Waste Classification:	No data available.
Workplace Classification:	This product is considered hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).



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CERCLA Reportable      Not applicable.  
Quantity:

## **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:    Health: 3  
                      Flammability: 0  
                      Reactivity: 1

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Special Hazard Warning: No data available