

**Safety Data Sheet
No Chlor Shock**

Section 1: Identification

Product Identifier:	No Chlor Shock
Other Means of Identification:	Monopersulfate Compound
Recommended Use:	Cleaning agent, Oxidizing agent
Manufacturer's Name:	Spec Chem Direct, Inc.
Corporate Address:	6506 S 209th St., Kent, WA, 98032
Manufacturer's Telephone:	(253) 277-3143 (Monday-Friday, 8AM-5PM PT)
Emergency Phone Number:	(253) 277-3143 (Monday-Friday, 8AM-5PM PT)

Section 2: Hazard(s) Identification

Hazard Classification:	Acute Toxicity (Oral) Acute Toxicity (Inhalation) Skin Corrosion Serious Eye Damage/Eye Acute Aquatic Toxicity Chronic Aquatic Toxicity
Signal Word:	DANGER
Hazard statement(s):	Harmful if swallowed Causes severe skin burns and eye damage May be harmful if inhaled Toxic to aquatic life Harmful to aquatic life with long lasting effects.

Pictograms:



Precautionary Statement(s): Do not breathe dust or mist. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection.

Hazards Not Otherwise Classified: N/A

Ingredient(s) With Unknown Toxicity: 0% of the mixture consists of ingredient(s) with unknown acute toxicity.

Section 3: Composition/Information on Ingredients

Ingredients	% by weight	CAS #
Potassium Peroxymonosulfate	43%	10058-23-8
Potassium Sulfate	29%	7778-80-5
Potassium Bisulfate	23%	7646-93-7
Potassium Peroxydisulfate	3%	7727-21-1
Magnesium Carbonate	2%	546-93-0

Impurities and Stabilizing Additives, Which Are Themselves Classified and Which Contribute to the Classification of the Chemical: None

The Chemical Name and Concentration of All Ingredients Which Are Classified As Health Hazards and Are Present Above Their Cut-Off/Concentration Limits or Present a Health Risk Below the Cut-Off/Concentration Limits: None

Chemicals Where a Trade Secret Is Claimed: None

Section 4: First-Aid Measures

Inhalation: Move to fresh air. Oxygen or artificial respiration if needed. Call a physician immediately.

Skin: If on skin, rinse well with water. Take off contaminated clothing and shoes immediately. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.

Eyes: Rinse immediately with plenty of water and seek medical advice.

Ingestion: Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician immediately.

Most Important Symptoms or Effects, and Any Symptoms That Are Acute or Delayed: N/A

Recommendations for Immediate Medical Care and Special Treatment Needed, When Necessary: N/A

Section 5: Fire-Fighting Measures

Suitable / Unsuitable Extinguishing Equipment: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Do not use carbon dioxide or other gas-filled fire extinguishers; they will have no effect on decomposing persulfates.

Specific Hazards: Will release oxygen when heated, intensifying a fire. Acidic mist may be present. Hazardous decomposition products are Oxygen, Sulphur dioxide, Sulfur trioxide

Special Protective Equipment or Precautions for Fire Fighters: Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

Section 6: Accidental Release Measures

Personal Precautions: Refer to Section 8: Exposure Controls/Personal Protection and Section 7: Handling and Storage.

Emergency Procedures: Try to prevent the material from entering drains or water courses.

Methods and Materials for Containment and Cleanup: Sweep up and shovel into suitable containers for disposal. Avoid dust formation. After cleaning, flush away traces with water. Dispose of per guidelines under Section 13: Disposal Considerations.

Section 7: Handling and Storage

Handling: Do not inhale. Use only in well-ventilated areas. Avoid contact with eyes, skin, and clothing. User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. User should remove clothing/PPE immediately if product gets inside. Then wash thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing. Wash the outside of gloves before removing. Follow manufacturer's instructions for cleaning/maintaining PPE. If not such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Storage: Keep in a dry, cool and well-ventilated place. Protect from contamination. Store away from halogenated compounds, cyanides and heavy metal salts.

Section 8: Exposure Controls/Personal Protection

OSHA Permissible Exposure Limits (PELs): Monopersulfate Compound - total dust TWA (mg/m^3) 15, respirable dust TWA (mg/m^3) 5.

American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLVs): Potassium Peroxydisulfate - TWA (mg/m^3) 2.

Any Other Exposure Limit Used or Recommended: Not applicable.

The TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Appropriate Engineering Controls: Ensure adequate ventilation.

Individual Protection Measures (Personal Protective Equipment – PPE): Wear safety glasses or coverall chemical splash goggles. 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. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Section 9: Physical and Chemical Properties

Appearance: Granular, white, free flowing solid

Odor: No odor

Odor threshold: No data available.

pH: 1% solution/water = 2.3; 3% solution/water = 2.0

Melting Point/Freezing Point: Decomposes before melting.

Initial Boiling Point and Boiling Range: Decomposes.

Flash Point: Does not flash.

Evaporation Rate: No data available.

Flammability (Solid, Gas): The product is not flammable. The product itself does not burn, but it is slightly oxidizing.

Upper/Lower Flammability or Explosive Limits: No data available.

Vapor Pressure: < 0.0000017 hPa.

Vapor Density: No data available.

Relative Density: 1.1 - 1.4

Solubility(ies): Water solubility 25.6 WT% @ 20 C.

Partition Coefficient (n-octanol/water): No data available.

Auto-ignition Temperature: Product will not auto-ignite.

Decomposition Temperature: No data available.

Viscosity: No data available.

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Values should not be construed as a guaranteed analysis of any specific lot or as specifications.

Section 10: Stability and Reactivity

Reactivity: Stable under recommended storage conditions.

Chemical Stability: Mixture of this product with compounds containing halides or active halogens can cause release of the respective halogen if moisture is present. For example, mixing with sodium dichloroisocyanurate or with sodium chloride can cause release of chlorine gas. Mixing with cyanides can cause release of hydrogen cyanide gas. Mixing with heavy metal salts such as those of cobalt, nickel, copper, or manganese can cause decomposition with release of oxygen and heat.

Possibility of Hazardous Reactions: Hazardous Polymerization will not occur.

Conditions to Avoid: Temperature: > 50 °C. Avoid extreme heat.

Incompatible Materials: Halogenated compounds, cyanides, heavy metal salts

Hazardous Decomposition Products: Decomposition will not occur.

Section 11: Toxicological Information

Likely Routes of Exposure (Inhalation, Ingestion, Skin and Eye Contact): Inhalation. Ingestion.

Delayed, Immediate, or Chronic Effects from Short- and Long-Term Exposure: No data available.

Numerical Measures of Toxicity:

Oral LD₅₀: 2000 mg/kg, Rat (based on 4-hour exposure)

Dermal LD₅₀: 11000 mg/kg, Rabbit

Inhalation LC₅₀: >5 mg/l, Rat (based on 4-hour exposure)

Description of the symptoms: No data available.

Carcinogenicity (NTP, IARC, or OSHA): This product is not known or reported to be carcinogenic by any reference source including NTP, IARC, or OSHA.

Section 12: Ecological Information (non-mandatory)

Ecotoxicity:

Aquatic Toxicity

96 hour LC₅₀ - rainbow trout: 53 mg/L

48 hour EC₅₀ - daphnia magna: 3.5 mg/L

Persistence and Degradability: Hydrolyses.

Bioaccumulative Potential: Bioaccumulation is unlikely.

Mobility in Soil: No data available.

Other Adverse Effects: No data available.

Section 13: Disposal Considerations (non-mandatory)

Appropriate Disposal Containers: Comply with Federal, State, and local regulations.

Recommended Appropriate Disposal Methods: Comply with Federal, State, and local regulations. If approved, flush to sewer or waste treatment plant. Large quantities should be neutralized with soda ash.

Physical and Chemical Properties That May Affect Disposal Activities: Comply with Federal, State, and local regulations. Solutions greater than 3% by weight have a pH < 2.0, and may be a RCRA hazardous waste upon disposal due to the acidic pH characteristic of the solution.

Special Precautions for Landfills or Incineration Activities: None.

If this product as supplied becomes a waste, it could meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Please be advised that state and local

requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Consult state and local regulations regarding the proper disposal of this material.

To minimize exposure, refer to Section 8: Exposure Controls/Personal Protection

Section 14: Transport Information (non-mandatory)

UN Number: 3260

UN Proper Shipping Name: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.

Transport Hazard Class(es): 8.

Packing Group Number, if Applicable: II.

Environmental Hazards (e.g., Marine pollutant (Yes/No)): No.

Transport in Bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable.

Special Precautions Which a User Needs to Be Aware of, or Needs to Comply With, in Connection With Transport or Conveyance Either Within or Outside Their Premises: No information available.

Section 15: Regulatory Information (non-mandatory)

National and/or Regional Regulatory Information of the Chemical or Mixtures (Including Any OSHA, Department of Transportation, Environmental Protection Agency, or Consumer Product Safety Commission Regulations):

TSCA: Reported/Included.

CERCLA Reportable Quantity (RQ): None of the ingredients is listed.

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

EPA: Unknown.

SARA Section 302: Not applicable.

SARA Section 311/312: Acute: Yes, Chronic: No, Fire: No, Reactivity: No.

SARA Section 313: Not applicable.

California Proposition 65: Not applicable.

Section 16: Other Information

REVISION INFORMATION:

SDS sections(s) changed since last revision of document:

00 08/18/2015 Original SDS Document

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