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ALDEN LEEDS, INC. PRODUCT CODE # 1505-1507 & 3160 MATERIAL  
55 JACOBUS AVE. PRODUCT NAME: SHOCK II, SH02X SAFETY DATA  
S. KEARNY, NJ 07032 and SPA SHOCK SHEET  
(973) 589-3544 10/20/04  
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**SECTION I - IDENTIFICATION**

**CHEMICAL NAME & SYNONYMS:** Potassium Monopersulfate Compound, Potassium Peroxymonosulfate Compound, Potassium Hydrogen Peroxymonosulfate Sulfate Compound.  
**CHEMICAL FAMILY:** Persulfates  
**TRADE NAME:** Nuclio, Ortex, or Private Label Shock II or SHO2X & Spa Shock  
**DESCRIPTION:** White Granular; Free flowing , odorless  
**CAS NO.** 70693-62-8  
**HMIS HAZARD RATINGS:** Health Hazard: 2 Fire Hazard: 0 Reactivity: 1  
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**SECTION II - PHYSICAL DATA**

**Boiling Point:** @ 760 mm Hg Decomposes **Melting Point:** Decomposes  
**Percent Volatile (by wt.):** N/A **Evaporation Rate Butyl Acetate = 1:** N/A  
**Solubility In Water:** 25.6 WT % @ 20 C (68 F) **Vapor Pressure:** Nil  
**Specific Gravity: (H2O=1)** 1.1-1.4 **pH:** 2.0-2.3  
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**SECTION III - HAZARDOUS INGREDIENTS**

MATERIAL	CAS NO.	% BY WEIGHT	HAZARD DATA
Potassium Peroxymonosulfate	10058-23-8	43.0%	None
Potassium Bisulfate	7646-93-7	23.0%	None
Potassium Sulfate	77780-5	32.0%	None
Magnesium Carbonate	546-93-0	2.0%	None

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

**Flash Point:** N/A **Autoignition Temp:** N/A  
**Flammable Limits in Air % By Volume:** N/A **Extinguishing Media:** Water  
**Special Fire Fighting Procedures:** None  
**Unusual Fire and Explosion Hazards:** Storage of large masses of product can trap heat and lead to ignition of paper bags. Grinding or intensive mixing may cause ignition of oxidizable material present.  
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**SECTION V - HEALTH HAZARD DATA**

**Potential Health Effects:** Causes skin, eye, nose and throat irritation. May cause allergic skin reactions at high concentrations in sensitive individuals. Ingestion may cause inflammation and damage to the lining of the stomach, resulting in bleeding.  
**Human Health Effects:**  
**Skin** contact may cause irritation with discomfort or rash. Allergic skin reaction were observed at high concentrations, but at lower concentrations of 12 ppm and 150 ppm, no allergic reactions were noted. **Eye** contact may cause eye irritation with discomfort, tearing, or blurring of vision.  
**Inhalation** may cause irritation of the upper respiratory passages with coughing and discomfort.  
**Ingestion** may cause gastritis possibly progressing to necrosis or hemorrhage. Individuals with preexisting diseases of the skin or gastrointestinal tract may have increased susceptibility to the toxicity of excessive exposures.  
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**SECTION VI - EMERGENCY AND FIRST AID PROCEDURES**

**Skin:** Immediately flush the skin with soap and water. Wash contaminated clothing before reuse.  
**Eye:** Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.  
**Ingestion:** If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.  
**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.  
**Chemicals Listed as Carcinogen by:** None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.  
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Potassium Monopersulfate Compound

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### SECTION VII - TOXICOLOGY

**Oral LD50 (rats):** 2,000 mg/kg

**Skin Absorption LD50 (rabbits):** >11,000 mg/kg

**Inhalation (4-hr.) LC50(rats):** > 5 mg / l

This product is a severe skin and eye irritant, but is not a skin sensitizer in laboratory animals. Single inhalation exposures produce nonspecific effects such as weight loss and irritation. Repeated inhalation exposures produced eye irritation and reversible corneal damage. By ingestion, the administration of large single doses produced nonspecific effects such as weight loss and irritation as well as gastric ulceration, necrosis, and hemorrhage. The compound does not produce genetic damage in bacterial cell cultures.

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### SECTION VIII - REACTIVITY DATA

**Stability:** Stable

**Conditions to Avoid:** N/A

**Incompatibility (materials to avoid):** This mixture with compounds containing halides or active halogens can cause release of the respective halogen if moisture is present. For example, mixture with sodium dichloroisocyanurate or with sodium chloride can cause release of chlorine gas; mixture with cyanides can cause release of hydrogen cyanide gas; and heavy metal salts such as those of cobalt, nickel, copper, or manganese cause the evolution of oxygen.

**Hazardous Decomposition Products:** Releases oxygen gas.

**Hazardous Polymerization:** Will not occur.

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### SECTION IX - SPILL, LEAKAGE & DISPOSAL PROCEDURES

**Steps to take if material leaks or spill:** Sweep up. Flush area with low pressure water.

**Waste Disposal:** Comply with Federal, State and Local regulations. If approved, flush to sewer or waste treatment plant. Large quantities should be neutralized with soda ash.

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### SECTION X - SPECIAL PROTECTION INFORMATION

**Eye/Face Protection:** Wear safety glasses. Wear coverall chemical splash goggles and face shield when the possibility exists for eye or face contact from airborne material.

**Respiratory Protection:** A NIOSH/MSHA approved air-purifying respirator with a dust / mist cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known or any other circumstances where air purifying respirators may not provide adequate protection.

**Other Equipment:** Wear impervious clothing, such as gloves, apron, boots made of rubber, as appropriate. Leather gloves may be used when handling dry material.

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### SECTION XI - SPECIAL PRECAUTIONS DATA

**Handling and Storage:** Avoid breathing dust. Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling. Store in a cool, dry, well-ventilated area. Stack on pallets providing air space; closely stacked bags should not exceed a 4 ft. (1.2 m) cube. Keep packages dry. Do not store with combustible materials.

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### SECTION XII - TRANSPORTATION INFORMATION

**Proper Shipping Name:** Corrosive Solid, Acidic, Inorganic, N.O.S. (Monopersulfate compound), 8, UN3260, Corrosive, PGIII. For all transportation accidents, call **CHEMTREC** at 800-424-9300.

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The information herein is given in good faith but no warranty, expressed or implied, is made.

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