

Product Name: Amerse Shock Oxidizer
Date: 7/21/25

SECTION 1 IDENTIFICATION

Supplier: Phoenix Products Company
55 Container Drive
Terryville, CT 06786
(800) 928-7665

Distributor: Essentials
5070 Wallace Drive
Cumming, GA 30041
(626) 305-1182

U.S. PERS Emergency Telephone: 1-800-222-1222

Product Name: **Amerse Shock Oxidizer**

Synonyms: Potassium Peroxymonosulfate Blend; Potassium Hydrogen Sulfate Blend; Potassium Monopersulfate Blend; Potassium Peroxysulfate Blend

Chemical Name: Potassium Monopersulfate Blend

CAS Number: 70693-62-8

Product Use: Non-Chlorine Water Shock

SECTION 2 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER



GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Skin corrosion (Category 1)
Respiratory sensitization (Category 1)
Skin sensitization (Category 1)
Serious eye damage (Category 1)

Hazard Statement(s)

H272: May intensify fire; oxidizer.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335: May cause respiratory irritation.

Precautionary statement(s)

P210: Keep away from heat.
P220: Keep/Store away from clothing/combustible materials.
P221: Take any precaution to avoid mixing with other chemicals.
P260: Do not breathe dust or mist.
P264: Wash skin thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P285: In case of inadequate ventilation wear respiratory protection.

SECTION 2	HAZARDS IDENTIFICATION - Continued
-----------	---

P321: Specific treatment (see First Aid Measures on this label).
P363: Wash contaminated clothing before reuse.
P370 + P378: In case of fire: use dry sand, dry chemical or alcohol-resistant foam for extinction.
P403 + P233: Store in a well-ventilated place. Keep container tightly closed.
P405: Store locked up
P501: Dispose of contents / container to an approved waste disposal plant

SECTION 3	COMPOSITION, INFORMATION ON INGREDIENTS
-----------	--

<u>Component</u>	<u>CAS Number</u>	<u>Percent</u>
Potassium Monopersulfate	70693-62-8	60 – 80%
Sodium Carbonate	497-19-8	20 – 40 %

SECTION 4	FIRST-AID MEASURES
-----------	---------------------------

General Advice: Consult a physician. Move out of dangerous area. Show this safety data sheet to the doctor in attendance.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Skin Contact: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

SECTION 5	FIRE FIGHTING MEASURES
-----------	-------------------------------

Extinguishing Media

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture: Carbon oxides, Sulphur oxides, Potassium oxides, Magnesium oxide.

Hazardous Combustion Products: Grinding or intensive mixing may cause decomposition with liberation of heat and oxygen; ignition of oxidizable material if present may occur.

Advice for Firefighters: Wear self contained breathing apparatus for firefighting if necessary.

Further Information: Use water spray to cool unopened containers. Contact with combustible materials may cause fire. Improper storage of large masses of "oxone" can trap heat and lead to ignition of combustibles (see "SECTION 7: **HANDLING AND STORAGE**").

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental Precautions: Do not let product enter drains.

Methods and materials for containment and cleaning up: Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

SECTION 7 HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition – No smoking. Keep away from heat and sources of ignition.

Special Handling Requirements: Do not inhale. Do not get in eyes, on skin or clothing. Wash thoroughly after handling. Wash clothing after use.

Conditions for Safe Storage: Keep container tightly closed in a dry and well-ventilated place away from heat sources.

Specific End Use(s): Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Components with workplace control parameters: Contains no substances with occupational exposure limit values.

Exposure Controls

Appropriate Engineering Controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal Protective Equipment:

Eye/Face Protection: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection: Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of Environmental Exposure: Do not let product enter drains.

SECTION 9	PHYSICAL AND CHEMICAL PROPERTIES
-----------	---

Appearance:	White Granular
Odor:	Odorless
Odor Threshold:	Not Available
pH:	6 at 30 g/l at 77°C (171°F)
Melting Point/Freezing Point:	Not Available
Initial Boiling Point and Boiling Range:	@ 760 mm Hg Decomposes
Flash Point:	Not Available
Evaporation Rate:	Not Available
Flammability (solid, gas):	Not Available
Upper/Lower Flammability or Explosive Limits:	Not Available
Vapor Pressure:	Not Available
Vapor Density:	Not Available
Relative Density:	1.100 - 1.400 g/cm ³
Water Solubility:	25.6 wt% @ 20°C (68°F)
Partition Coefficient (n-octanol/water):	Not Available
Auto-ignition Temperature:	Not Available
Decomposition Temperature:	kJ/kg 251 and Btu/lb 108
Viscosity:	Not Available
Explosive Properties:	Not Available
Oxidizing Properties:	The substance or mixture is classified as oxidizing with the category 3.

SECTION 10	STABILITY AND REACTIVITY
------------	---------------------------------

Reactivity: Not Available
Chemical Stability: Stable under recommended storage conditions.
Possibility of Hazardous Reactions: Not Available
Conditions to Avoid: Excess heat.

Incompatible Materials: Strong bases, Acids, Bases, Powdered metals, Strong oxidizing agents, Organic materials, Alcohols, acids, phosphorous, Halogens, Anhydrides, Phosphorus, Strong reducing agents

Hazardous Decomposition Products: Decomposes when heated or dampened, releasing oxygen and heat of decomposition.

SECTION 11	TOXICOLOGICAL INFORMATION
-------------------	----------------------------------

Oral LD50 (rat): 2,000 mg/kg
Dermal LD50 (rabbit): > 11,000 mg/kg
Inhalation 4-hr LC50 (rat): >5 mg/L
Skin Irritation: Severe skin irritant.
Eye Irritation: Severe eye irritant.
Skin Sensitization: Not a skin sensitizer in animals.
Germ Cell Mutagenicity: Not Available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive Toxicity: Not Available

Specific Target Organ Toxicity - Single Exposure: Not Available

Specific Target Organ Toxicity - Repeated Exposure: Not Available

Aspiration Hazard: Not Available

SECTION 12	ECOLOGICAL INFORMATION
-------------------	-------------------------------

Aquatic Toxicity: 96 hour LC50 – rainbow trout: 53 mg/L
 48 hour EC50 – daphnia magna: 3.5 mg/L

Ecotoxicity: Not Available.

Mobility in Soil: Not Available.

Products of Biodegradation: Possibly hazardous short-term degradation products are not likely. However, long-term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Results of PBT and vPvB Assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

SECTION 13	DISPOSAL CONSIDERATIONS
-------------------	--------------------------------

Disposal of Waste: Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging: Do not reuse container. Refer to all federal, state and local regulations prior to disposal of container and unused contents by reuse, recycle or disposal.



DOT:	UN Number:	N/A
	UN Proper Shipping Name:	Not Regulated
	Transport Hazard Class:	Not Regulated
	Packing Group:	Not Regulated

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: 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.

SARA 311 / 312 Hazards: Reactivity Hazard, Acute Health Hazard

Massachusetts Right To Know Components	CAS-No.
Magnesium Carbonate	546-93-0

Pennsylvania Right To Know Components	CAS-No.
Sodium Carbonate	497-19-8
Potassium Sulfate	7778-80-5
Potassium Bisulfate	7646-93-7

New Jersey Right To Know Components	CAS-No.
Sodium Carbonate	497-19-8
Potassium Sulfate	7778-80-5
Potassium Bisulfate	7646-93-7

California Prop. 65 Components: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

HMIS: Health - 3; Flammability - 0; Physical Hazard - 1

Representations or warranties, either expressed or implied, of merchant ability, fitness for a particular purpose or any other nature are made hereunder with respect to information or the product to which information refers.

Date: 7/21/25
Phoenix Products Company