

Section 1. Product and Company Identification

Product Name Potassium Oleate
CAS Number 143-18-0

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Section 2. Hazards Identification

Classification of the substance or mixture

GHS Classification

Mild Skin Irritation (Category 3)
Eye Irritation (Category 2A)
Acute Aquatic Toxicity (Category 3)

GHS Label Elements

Pictograms:



Signal word: WARNING

Hazard and precautionary statements

Hazard Statements

H316: Causes mild skin irritation
H319: Causes serious eye irritation
H402: Harmful to aquatic life

Precautionary Statements

P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P273: Avoid release to the environment.



HMIS Classification

Health: 1
Flammability: 1
Reactivity: 0

NFPA Rating

Health: 1
Flammability: 1
Reactivity: 0

Potential Health Effects

Inhalation: May be harmful if inhaled. Unlikely to cause serious injury.
Skin: May cause skin irritation
Eyes: May cause eye irritation
Ingestion: May cause irritation to mouth, throat, and stomach.

Section 3. Composition / Information on Ingredients

Common Name Potassium Oleate
Synonym(s) Oleic Acid, Potassium Salt; Potassium Oleic Soap
CAS Number 143-18-0

COMPONENT	CAS NUMBER	CONCENTRATION
Potassium Oleate	143-18-0	80%
Water	7732-18-5	20%

Section 4. First Aid Measures

Inhalation: If inhaled, move person into fresh air. If not breathing, give artificial respiration and seek emergency medical attention. Consult a physician.
Skin Contact: If irritated, take off contaminated clothing and shoes immediately. Flush skin with plenty of water for at least fifteen minutes. If irritation persists, consult a physician.
Eye Contact: If irritated, flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if able to do so. If irritation persists, consult a physician. Continue rinsing eyes during transport to hospital.
Ingestion: Do NOT induce vomiting unless instructed to do so by a physician. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5. Firefighting Measures

Flammability Overview: Low flammability risk.
Flash Point: N/A
Extinguishing Media: Use water-spray, alcohol-resistant foam, dry chemical, or carbon dioxide. Tailor extinguishing media to surrounding fire.



Special Protective Equipment for Firefighters: Wear a self-contained breathing apparatus (SCBA) for fire fighting if necessary.

Hazardous Combustion Products: Hazardous decomposition products under fire conditions: Carbon oxides.

Section 6. Accidental Release Measures

Personal Precautions: Use personal protective equipment. Always ensure adequate ventilation.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Prevent from entering drains and waterways. Discharge into the environment must be avoided.

Containment and Clean Up: Carefully clean up and dispose of the material in suitable containers. If assistance is needed call CHEMTREC or emergency services. Ground will be slippery where spilled.

Section 7. Handling and Storage

Safe Handling: Use personal protective equipment. Always ensure adequate ventilation.

Safe Storage: Keep containers tightly closed in a dry well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store away from incompatible materials.

Section 8. Exposure Controls / Personal Protection

Exposure Limits

Component	CAS Number	Exposure Limit	Basis
Potassium Oleate	143-18-0	Not Established	ACGIH Threshold Value (TLV)
		Not Established	OSHA Table Z-1: Limits for Air Contaminants
		Not Established	NIOSH Recommended Exposure Limits

Personal Protective Equipment

Eye Protection: Tightly fitting safety goggles or safety glasses should be sufficient. Have eye-wash stations available where eye contact can occur.

Hand Protection: Handle with chemical-resistant gloves. Gloves must be inspected prior to use. Wash and dry hands after use.

Skin Protection: Wear a chemical apron or other protective clothing to prevent skin contact. Safety showers should be located in the work area where skin contact can occur.

Respiratory Protection: Where risk assessment shows air-purifying respirators are appropriate, use a NIOSH approved respirator with appropriate cartridges.

General Controls: Always ensure adequate ventilation and that working areas contain safety showers and eye wash stations. Handle material in accordance with good industrial hygiene and safety practices.



Section 9. Physical and Chemical Properties

Physical State: Viscous liquid, paste
Color: Clear to pale-yellow
Odor: Soap
Odor Threshold: N/A
pH: 9 - 11
Melting/Freezing Point: N/A
Boiling Point: > 100°C (212°F)
Flash Point: > 100°C (212°F)
Evaporation Rate: N/A
Flammability (solid, gas): N/A
Flammability/Explosion Limits: N/A
Vapor Pressure (20°C): N/A
Vapor Density: N/A
Specific Gravity: 0.96
Density: 8.0 lbs/gal.
Solubility in Water: ~ 250 g/L
Partition Coefficient: N/A
Auto-ignition Temperature: N/A
Decomposition Temperature: N/A
Viscosity: Highly viscous

Section 10. Stability and Reactivity

Chemical Stability: Stable under recommended storage conditions.
Conditions and Materials to Avoid: Strong oxidizing agents/reducing agents.
Hazardous Decomposition Products: Hazardous decomposition products under fire conditions: Carbon oxides.

Section 11. Toxicological Information

Acute Toxicity

Component	CAS Number	Test	Toxicity
Potassium Oleate	143-18-0	Oral LD50 (Rat)	> 5000 mg/kg
		Dermal LD50 (Rat)	> 5000 mg/kg
		Inhalation LC50	No data available

Potential Health Effects

Inhalation: May be harmful if inhaled. Unlikely to cause serious injury.
Skin: May cause skin irritation.



Eyes: May cause eye irritation.

Ingestion: May cause irritation to mouth, throat, and stomach.

Signs and Symptoms of Exposure: Irritation.

Chronic Effects of Long-term Exposure: No data available

Carcinogenicity: No component of this product at levels greater than 0.1% is identified as carcinogenic by IARC, ACGIH, or OSHA.

Section 12. Ecological Information

Acute Ecotoxicity

Component	CAS Number	Organism	Ecotoxicity
Potassium Oleate	143-18-0	-	No data available

Ecological Effects

Persistence and Degradability: No data available

Bioaccumulation Potential: Not expected to bio-accumulate

Mobility in Soil: No data available

Other Adverse Effects: Potassium salts of fatty acids are known to be toxic to aquatic invertebrates

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

DOT Information

Proper Shipping Name: N/A

UN Number: N/A

Hazard Class: N/A

Packing Group: N/A

Reportable Quantity (RQ): N/A

Marine Pollutant: N/A

Note: Not regulated for transport

Section 15. Regulatory Information

US Federal

SARA 302 Components: None Listed

SARA 311/312 Hazards: Acute Health Hazard

SARA 313 Components: None Listed

TSCA Inventory: All chemicals listed



European Union

EC Inventory: All chemicals listed

State Regulations

CA Prop 65: None listed

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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