



FORCECLEAR LIQUID RUNWAY DEICER SAFETY DATA SHEET (SDS)

Section 1: Identification of the Substance or Mixture and of the Supplier

1.1. Product Identifier

Product Name: Potassium Acetate, 50% Aqueous Solution
Product Form: Mixture
Synonyms: Potassium salt Ethanoic acid, Acetic acid Potassium Salt
CAS #: 127-08-2

1.2. Relevant Identified Uses of The Substance or Mixture and Uses Advised Against

Product Uses: Commercial Use Only
Recommended Restrictions: No specific restrictions recommended.

1.3. Details of The Supplier of The Safety Data Sheet

Company Identity: Pelican Chemicals, Inc.
Company Address: 2901 West Broadway, Suite 200
Company City & State: Missoula, MT 59808
Company Phone: (888) 526-1952

1.4. Emergency Phone(s)

US (24 Hours): CHEMTREC: (800) 424-9300

Section 2: Hazard(s) Identification

2.1. Classification of The Substance or Mixture

GHS-US: Not classified as dangerous for supply/use
EC: Not classified as dangerous for supply/use
Hazards Summary: This substance is considered non-hazardous according to GHS classifications for the Hazard Communication Standard. Treat all chemical substances with caution. Although this substance is considered to be non-hazardous, unpredictable reactions among chemicals are always possible. Prudent handling practices should be observed.

2.2. Label Elements

Signal Word: Not applicable
Hazard Statements: Not applicable
Pictograms: NONE

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Precautionary Statements: May cause mild eye irritation. After contact with skin, wash immediately and thoroughly with water and soap. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Hazards not otherwise classified: Caution- spillages may be slippery.



Section 3: Composition/Information on Ingredients

CHEMICAL NAME	COMMON NAME	SYNONYM(S)	CAS #	CLASSIFICATION	EINECS#	WT %
Dihydrogen monoxide (H ₂ O)	Water	none	7732-18-5	GHS-US: None	231-791-2	50%
Potassium Acetate	Potassium Acetate	Potassium salt Ethanoic acid, Acetic acid Potassium Salt	127-08-2	GHS-US: None	204-822-2	50%
Corrosion Inhibitor (proprietary)	Trade Secret	Trade Secret	Trade Secret	GHS-US: None	N/A	< 1.0%

Section 4: First Aid Measures

4.1. Description of first aid measures

General advice: If you feel unwell, obtain medical attention.

Eye contact: If substance has got into the eyes, immediately wash out with plenty of water. Remove contact lenses if present and easy to do so. Continue rinsing for at least 15 minutes. If symptoms persist, obtain medical attention.

Skin contact: Wash with plenty of water for 15 minutes. If irritation (redness, rash, blistering) develops, obtain medical attention.

Inhalation: Remove patient from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Ingestion: Do not induce vomiting. Wash out mouth with water or milk. If large amount swallowed or symptoms develop obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

General Symptoms/Injuries: Not expected to present significant symptoms under anticipated conditions of normal use.

Inhalation: May cause slight respiratory irritation.

Ingestion: May cause slight gastrointestinal irritation.

Section 5: Fire-fighting Measures

5.1. Extinguishing Media

Suitable Extinguishing Media: Compatible with all standard extinguishing media and firefighting techniques.

Unsuitable Extinguishing Media: Not applicable

5.2. Special Hazards Arising from The Substance or Mixture

Description: Non-Flammable, Non-Combustible liquid, that is not expected to be reactive under normal conditions.

5.3. Advice for Fire-Fighters

Special Protective Equipment: Goggles, a self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

Unusual Explosion and Fire Procedures: Not applicable

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment, and emergency procedures

- Wear protective equipment before acting.
- In case of spillage, contain for proper disposal or recycling/ no special consideration for disposal.
- Safety shower in work area.
- Eye wash station in work area.



6.2. Environmental Precautions

See section 12 for more ecological information

6.3. Methods and Materials for Containment and Cleaning Up

- Soak up with inert material and properly dispose of in labeled container

Section 7: Handling and Storage

7.1 Precautions for Safe Handling

- All equipment, storage tanks, and surfaces that are exposed to potassium acetate deicers should be regularly cleaned to maintain equipment integrity and reduce deterioration.
- Proper use of safety glasses and personal protective equipment required.
- Do not eat, drink or smoke when handling this product.
- Handle product with efficient industrial hygiene and wash hands after each use. Contain for proper disposal or recycling.
- Use with adequate ventilation of the workstation.

7.2 Recommendations for Safe Storage

- Store in polyethylene, stainless steel, or carbon steel containers that have not been oxidized.
- Do not store with brass, zinc, or galvanized steel, aluminum should be avoided for long term storage
- Store in dry area protected from weather and sunlight.

Section 8: Exposure Controls and Personal Protection

Appropriate Ventilation Controls:

No specific OES assigned, however keep well ventilated as to keep dust exposure from exceeding the LTEL (8-hour TWA ref. period) 10 mg.m³ for total inhalable dust or PNOR (Particulates not otherwise regulated). For ACGIH follow: 10mg.mg³ TWA (inhalable particles).

Respiratory Exposure Controls: Use with adequate ventilation.

Eye Protection: Wear safety glasses or goggles.

Hand Protection: Wash hands after handling of the material and wear protective gloves.

Body Protection: Wear suitable protective clothing.

Work & Hygienic Practices: wash thoroughly after handling, wash contaminated clothes before next use.

Section 9: Physical and Chemical Properties

PROPERTIES	REMARKS	PROPERTIES	REMARKS
Appearance	clear colorless liquid	Upper/lower flammability	none
Odor	Mild odor	Vapor pressure	no information
Odor Threshold	none	Vapor density	no information
pH	8.0-11.5	Relative density	1.27-1.29
Melting point/freezing point	< -59°C (-74°F)	Solubility	no information
Initial Boiling point	no information	Partition coefficient	no information
Boiling range	no information	Auto-Ignition temperature	no information
Flash point	No flash to 212°F	Decomposition temperature	no information
Evaporation rate	no information	Viscosity	6 - 10 cP
Flammability	no information		



Section 10: Stability and Reactivity

Reactivity: Non-reactive under normal conditions.

Chemical Stability: Stable under normal conditions.

Stabilizers: no information available

Conditions to Avoid: strong oxidizers

Hazardous Reactions: None known

Incompatible Materials: Strong oxidizing agents, nitrates, chlorates

Hazardous Decomposition Products: Carbon monoxide

Section 11: Toxicology Information

Delayed, immediate and chronic effects from short- and long-term exposure

Eye contact: May cause eye irritation

Skin contact: May cause skin irritation

Inhalation: May cause respiratory tract irritation if inhaled

Ingestion: May be harmful if swallowed

Numerical Measures of Toxicity: N/A

Toxicity Listings: Not found to be a potential carcinogen by OSHA, NTP, or the IARC

Toxicity: No acute toxicity information available.

Section 12: Ecological Information

Environmental: None available

Physical: None Available

Other: Do not dispose down drain.

Biodegradability:

Percent of product biodegraded in five days at 68°F (20°C):

BOD= 0.21 Kg O₂/Kg fluid

5-day total oxygen demand (TOD) of the product based on theoretical oxygen demand (Thod), whether calculated computationally or via chemical oxygen demand (COD), expressed in kilograms of oxygen per kilograms of product:

COD= 0.33 Kg O₂/Kg fluid

Aquatic Toxicity:

EPA 40 CFR 797.1300 DAPHNID ACUTE TOXICITY

Daphnia magna, static system: 48-hour LC₅₀: 1,175 mg/L

EPA 40 CFR 797.1400 FISH ACUTE TOXICITY

Pimephales promelas, static system: 96 hour LC₅₀: 2,050 mg/L

Section 13: Disposal Considerations

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste.

US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Section 14: Transport Information

- Not DOT regulated
- Not a dangerous goods in transport regulations.
- Not classified as a Dangerous Good under the criteria of the International Maritime Dangerous Good Code (IMDG).



Section 15: Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components	S. 302 (EHS)	S.304 RQ	S313 (TRI)
127-08-2	Potassium acetate {Acetic acid, potassium salt}	No	No	No

SARA Title III Sections 311/312 Applicable Hazard Categories

Acute (immediate) Health Hazard: **No**

Chronic (delayed) Health Hazard: **No**

Fire Hazard: **No**

Sudden Release of Pressure Hazard: **No**

Reactive Hazard: **No**

USA:

CAS #	Hazardous Components	USA
127-08-2	Potassium acetate {Acetic acid, potassium salt}	Toxic Substances Control Act (TSCA)

Canada:

CAS #	Hazardous Components	Canada
127-08-2	Potassium acetate {Acetic acid, potassium salt}	Canadian DSL

Section 16: Other Information

Revised July 3, 2018

Manufacturer Disclaimer: This SDS is provided to be used only as a guide, and is believed to be accurate by Pelican Chemicals, Inc. The information provided in this sheet relates strictly to the designated product as it is shipped by Pelican Chemicals, Inc. The responsibility of the buyer of this product is to comply with all applicable governmental requirements and to determine safety conditions for the use of this product. Pelican Chemicals, Inc. is not responsible or liable for any damages that result from handling or contact with this product. Since the actual use by others is beyond our control it is the purchaser's responsibility to determine the suitability of the product for their own use and purpose. Pelican Chemicals, Inc. makes no representations or warranties, either expressed, or implied for a particular purpose. No suggestions for use are intended, and nothing herein shall be construed as a recommendation to infringe any existing patents or to violate any Federal, State or local laws, rules or regulations.