



Silver Fern Chemical, Inc.

Safety Data Sheet

Potassium Acetate 52% Technical Grade

Section 01 - Identification

Product Identifier	Potassium Acetate 52% Technical Grade
Other Means of Identification	Diuretic salt
Product Use and Restrictions on Use	Not Available
Initial Supplier Identifier	Silver Fern Chemical, Inc. 121 W. De La Guerra Street, Suite B Santa Barbara, CA 93101 USA Phone: 1-866-282-3384 Email: info@silverfernchemical.com

24-Hour Emergency Phone	24 Hour Emergency Contact Infotrac 1-800-535-5053 (USA & Canada) Outside USA & Canada 1-352-323-3500
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Section 02 - Hazard Identification

GHS-Classification

This product has been assessed in accordance with the Hazardous Products Regulations and is not classified as a hazardous substance or mixture.

Section 03 - Composition / Information on Ingredients

Chemical Name	CAS Number	Weight %	Unique Identifiers
Potassium Acetate	127-08-2	51-54%	

Section 04 - First Aid Measures

Inhalation	If symptoms are experienced, remove source of contamination or move victim to fresh air. Obtain medical advice.
Skin Contact / Absorption	No health effects expected. Flush with lukewarm, gently flowing water for 5 minutes. If irritation persists, seek medical attention.
Eye Contact	If irritation occurs, flush the contaminated eye(s) with lukewarm, gently flowing water for 15 minutes. If irritation persists, obtain medical advice.
Ingestion	Normally non-toxic. If irritation or discomfort occurs, obtain medical advice.
Most important symptoms and effects, both acute and delayed	Long term contact could result in irritation and redness in the skin and eyes.

Section 05 - Fire Fighting Measures



Suitable Extinguishing Media	Product is non-flammable, use extinguishing media appropriate to surrounding fire.
Unsuitable Extinguishing Media	Not Available
Specific Hazards Arising From the Chemical	During a fire carbon oxides may be emitted
Special Protective Equipment and Precautions for Fire-Fighters	Wear NIOSH-approved self-contained breathing apparatus and protective clothing.
Further Information	Not Available

Section 06 - Accidental Release Measures

Personal Precautions / Protective Equipment / Emergency Procedures	Wear appropriate personal protective equipment. Ventilate area. Only enter area with PPE. Stop or reduce leak if safe to do so.
Environmental Precautions	Prevent material from entering drains.
Methods and Materials for Containment and Cleaning Up	Clean up spill with non-reactive absorbent material and place in suitable, labelled containers for proper disposal.

Section 07 - Handling and Storage

Precautions for Safe Handling	This material is essentially non-hazardous. Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure. Provide appropriate exhaust ventilation at places where dust is formed.
Conditions for Safe Storage	Store in a cool, dry place. Keep container tightly closed, and away from incompatible materials.
Incompatibilities	Strong oxidizers, acids

Section 08 - Exposure Controls and Personal Protection

Exposure Limit(s)

Component	Regulation	Type of Listing	Value
Potassium Acetate	Not Established		

Engineering Control(s)

Ventilation Requirements	Mechanical ventilation (dilution or local exhaust), process or personnel enclosure and control of process conditions must be provided in accordance with all fire codes and regulatory requirements. Supply sufficient replacement air to make up for air removed by exhaust systems.
Other	Emergency shower and eyewash must be available and tested in accordance with regulations and be in close proximity.

Protective Equipment

Eyes/Face	No specific requirement, but it is good practice to wear chemical safety goggles.
Hand Protection	No specific requirement, but it is good practice to prevent skin contact.



Skin and Body Protection	No specific requirement, but it is good practice to prevent skin contact.
	No special footwear is required other than what is mandated at place of work.
Respiratory Protection	Respiratory protection is not normally required. If use creates dust formations, then a NIOSH-approved respirator with a dust cartridge is recommended.
Thermal Hazards	Not Available

Section 09 - Physical and Chemical Properties

Appearance

Physical State	Liquid
Colour	Clear
Odour	Mild Characteristic odour
Odour Threshold	Not Applicable

Property

pH	9-11
Melting Point/Freezing Point	-58°C
Initial Boiling Point and Boiling Range	Not Applicable
Flash Point	Not Applicable
Evaporation Rate	Not Available
Flammability	Does not support combustion
Upper Flammable Limit	Not Applicable
Lower Flammable Limit	Not Applicable
Vapour Pressure (mm Hg, 20°C)	Not Available
Vapour Density (Air=1)	Not Available
Solubility(ies)	Miscible in water
Partition Coefficient: n-octanol/water	Not Available
Auto-ignition Temperature	Not Applicable
Decomposition Temperature	Not Available
Viscosity	Not Available
Explosive Properties	Not Available
Specific Gravity (Water=1)	1.2 – 1.3 @ 20°C
% Volatiles by Volume	Not Available
Formula	CH ₃ CO ₂ K

Section 10 - Stability and Reactivity

Reactivity	Not Available.
Stability	Normally stable.
Possibility of Hazardous Reactions	None known.
Conditions to Avoid	Not Available
Incompatible Materials	Stong oxidizers and reducing agents, strong acids
Hazardous Decomposition Products	Cabon oxides will be released in a fire

Section 11 - Toxicological Information

Acute Toxicity

Component	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
Potassium Acetate	3250 mg/kg (rat)	Not Available	Not Available

Chronic Toxicity – Carcinogenicity

Component	IARC
Potassium Acetate	Not considered to be carcinogenic by NTP, IARC, ACGIH and OSHA

Skin Corrosion/Irritation	Will cause mild irritation from acute exposure, but may become more severe with chronic exposure
Ingestion	Very low oral toxicity, so mild effects are expected. Not data available.
Inhalation	No data available
Serious Eye Damage/Irritation	No data available
Respiratory or Skin Sensitization	No data available
Germ Cell Mutagenicity	No data available
Reproductive Toxicity	No data available
STOT-Single Exposure	No data available
STOT-Repeated Exposure	No data available
Aspiration Hazard	No data available
Synergistic Materials	No data available

Section 12 – Ecological Information

Ecotoxicity

Component	Toxicity to Algae	Toxicity to Fish	Toxicity to Daphnia and Other Aquatic Invertebrates
Potassium Acetate	No data available	No data available	No data available

Biodegradability	The product itself and products of degradation are not toxic.
Bioaccumulation	Not Available
Mobility	Not Available
Other Adverse Effects	Not Available

Section 13 – Disposal Considerations

Waste From Residues/Unused Products	Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.
Contaminated Packaging	Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

Section 14 – Transport Information

UN Number	Not Regulated
UN Proper Shipping Name	Not Regulated
Transport Hazard Class(es)	Not Regulated
Packaging Group	Not Regulated
Environmental Hazards	Not listed as a marine pollutant under Canadian TDG Regulations, schedule III.
Special Precautions	Not Available
Transport in Bulk	Not Available

TDG

Other	Secure containers (full and/or empty) with suitable hold down devices during shipment and ensure all caps, valves, or closures are secured in the closed position.
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TDG PRODUCT CLASSIFICATION: This product has been classified on the preparation date specified at section 14 of this MSDS / SDS, for transportation in accordance with the requirements of part 2 of the Transportation of Dangerous Goods Regulations. If applicable, testing and/or published test data regarding the classification of this product are listed in the references at section 16 of this MSDS / SDS.

Section 15 – Regulatory Information

NOTE: THE PRODUCT LISTED ON THIS SDS HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS. THIS SDS CONTAINS ALL INFORMATION REQUIRED BY THOSE REGULATIONS.

Section 16 – Other Information

Preparation Date 2018 January 3

The information on this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS information may not be applicable.