



SILVER FERN
CHEMICAL INC

SAFETY DATA SHEET

POTASSIUM SORBATE 43%

Version 2

1. Identification of the Substance / Preparation and of the Company / Undertaking

Product Name: Potassium Sorbate 43%
Formula: CH₃CH:CHCH:CHCOOK
Molecular Weight: 150.22
Company Name: Silver Fern Chemical, Inc.
 2226 Queen Anne Ave N.
 Seattle, WA 98109
 Customer Service: Ph: 866-282-3384 / email: info@silverfernchemical.com
Emergency Telephone: Infotrac 1-800-535-5053 (USA & Canada) & 1-352-323-3500 (Outside USA & Canada)

2. Hazards Identification

GHS - Classification

Acute toxicity - Oral	Category 5
Serious eye damage/eye irritation	Category 2



Signal Word: Warning

Hazard Statements:

- May be harmful if swallowed
- Causes serious eye irritation

Physical Hazards

- None

Precautionary Statements:

- P264 - Wash face, hands and any exposed skin thoroughly after handling
- 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
- P337 + P313 - If eye irritation persists: Get medical advice/attention
- P312 - Call a POISON CENTER or doctor if you feel unwell

3. Composition / Information on Ingredients

Hazardous

Chemical Name	CAS No	Weight-%	EC No
Potassium sorbate	24634-61-5	40-45	246-376-1

Non-Hazardous

Chemical Name	CAS No	Weight-%	EC No
Water	7732-18-5	55-60	231-791-2

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4. First Aid Measures

Eye Contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
Skin Contact:	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
Inhalation:	Move to fresh air. If symptoms persist, call a physician.
Ingestion:	Clean mouth with water and drink afterwards plenty of water. If symptoms persist, call a physician.
Note to Physicians:	Treat symptomatically.

5. Fire-fighting Measures

Flammable Properties:

Not considered to be a fire hazard

Explosive Properties:

Not considered to be an explosion hazard

Suitable Extinguishing Media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Unsuitable Extinguishing Media:

No information available

Protective Equipment and Precautions for Firefighters:

In the event of a fire, wear full protective clothing and MSHA/NIOSH (approved or equivalent) self-contained breathing apparatus with full facepiece operated in the pressure-demand or other positive pressure mode

6. Accidental Release Measures

Personal Precautions:	Use only with adequate ventilation.
Environmental Precautions:	Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Other Information:	Not applicable.

7. Handling and Storage

Advice on Safe Handling:	Avoid contact with skin, eyes or clothing. Use only with adequate ventilation.
Storage Conditions:	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from any source of heat or ignition. Keep away from incompatible substances.
Incompatible Materials:	Oxidizing agents

8. Exposure Controls / Personal Protection

Engineering Controls:	Ensure adequate ventilation, especially in confined areas
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Personal protective equipment (PPE)

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Eye/Face Protection: Tight sealing safety goggles.

Body Protection: Suitable protective clothing.

General Hygiene Considerations:

Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical State:	Liquid	Odor:	Odorless
Appearance:	No information available	Odor Threshold:	No information available
Color:	Amber		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH:		No information available
"Salt Out" Point (°F):		No information available
Melting Point/Freezing Point:		
Boiling Point/Boiling Range:	100 °C / 212 °F	
Flash Point:		No information available
Evaporation Rate (BuAc=1):		No information available
Flammability (solid, gas):		No information available
Flammability Limits in Air:		No information available
Upper Flammability Limit:		
Lower Flammability Limit:		
Vapor Pressure (mm Hg) :		No information available
Vapor density (Air =1)		No information available
Specific Gravity (H₂O=1):	1.13	
Specific Gravity (2nd value):		
Water Solubility:		No information available
Solubility(ies):		No information available
Partition Coefficient (n-octanol/water)		No information available
Autoignition Temperature:		
Decomposition Temperature:		No information available
Kinematic Viscosity:		No information available
Dynamic Viscosity:		No information available
Oxidizing Properties:	No information available	
Explosive Properties:	Not considered to be an explosion hazard	

9.2. Other information

Softening Point:	No information available
Molecular Weight:	150.22
VOC Content(%):	No information available
Density:	No information available
Bulk Density:	No information available

10. Stability and Reactivity

Stability: Stable under normal conditions of use and storage

Conditions to Avoid: Incompatibles

Incompatible Materials: Oxidizing agents

Hazardous Decomposition Products: Carbon dioxide (CO₂); Carbon monoxide

Possibility of Hazardous Reactions: None under normal processing

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11. Toxicological Information

Product Information

Acute Toxicity: 0% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document

Chemical Name	Oral LD ₅₀ :	Dermal LD ₅₀ :	LC ₅₀ (Lethal Concentration):
Potassium sorbate	3200 mg/kg (Rat)		
Water	90 mL/kg (Rat)		

Chronic Toxicity:

Carcinogenicity: This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP

12. Ecological Information

Ecotoxicity

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Potassium sorbate		1250: 96 h <i>Brachydanio rerio</i> mg/L LC50 static	750: 48 h <i>Daphnia magna</i> mg/L EC50

Persistence and Degradability: No information available.

Bioaccumulation: No information available.

Mobility: No information available.

13. Disposal Considerations

Waste from Residues/Unused Products: Disposal should be in accordance with applicable regional, national and local laws and regulations

14. Transport Information

DOT

Description Not DOT Regulated

15. Regulatory Information

International Inventories

All of the components in the product are on the following inventory lists: TSCA (United States);, Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Australia (AICS), South Korea (KECL);, China (IECSC), Philippines (PICCS), This product contains a substance not listed on international inventories - it is for research and development use only.

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AICS	Complies
TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	-
IECSC	Complies
KECL	Complies
PICCS	Complies

Chemical Name	AICS	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS
Potassium sorbate	Listed	Listed	Listed	-	Listed	-	(2)-2575 (2)-1076	Listed	KE-18528	Present
Water	Listed	Listed	Listed	-	Listed	-	-	Listed	KE-35400	Present

Inventory Legend

AICS - Australian Inventory of Chemical Substances

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

RESTRICTIONS - REACH TITLE VII No information available

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic health hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

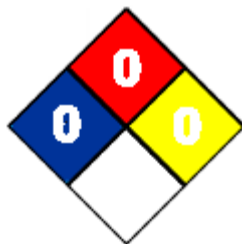
U.S. State Right-to-Know Regulations

California Proposition 65:

This product does not contain any Proposition 65 chemicals

16. Other Information

National Fire Protection Association (NFPA) Ratings



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DISCLAIMER OF RESPONSIBILITY

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.

End of Safety Data Sheet