

Potassium Sorbate

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /
March 26, 2012 / Rules and Regulation

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1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Potassium Sorbate
Synonyms: No data available
INCI Name: Potassium Sorbate
CAS Number: 24634-61-5
Formula: No data available
Product Form: Solid
Product Use: Cosmetic use

Distributor: MakingCosmetics Inc.
Address: 10800 231st Way NE
Redmond, WA 98053 (USA)
Phone / Fax: 425-292-9502 / 425-292-9601
Web: www.makingcosmetics.com

Emergency Telephone Number: 1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification: Skin corrosion/irritation: Category 2
Serious eye damage/eye irritation: Category 2
GHS Signal Word: **WARNING!**

GHS Hazard Pictograms:



GHS Hazard Statements:

H315: Causes skin irritation.

H319: Causes serious eye irritation.

GHS Precautionary Statements:

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P264: Wash face, hands and any exposed skin thoroughly after handling.

P302: IF ON SKIN: Wash with plenty of soap and water.

P332: If skin irritation occurs: Get medical advice/attention.

P305: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337: If eye irritation persists: Get medical advice/attention.

Potential Health Hazards:

Eyes: Causes serious eye irritation.

Inhalation: Inhalation of vapors may be an irritant.

Skin: Causes skin irritation.

Ingestion: May cause irritation to mucous membranes.

NFPA Ratings (704):

Health	N/A	N/A
Flammability	N/A	N/A
Reactivity	N/A	N/A
Specific Hazard	N/A	

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Potassium Sorbate	24634-61-5	100%	Not Available

4 FIRST AID MEASURES

Eyes: Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. Treat symptomatically.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell. Treat symptomatically.

Skin: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician. Treat symptomatically.

Ingestion: Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Rinse mouth. Get medical attention. Treat symptomatically.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	May be combustible at high temperatures. Use appropriate media (water spray, dry extinguishing powder, alcohol resistant foam, carbon dioxide) for surrounding environment and adjacent fire. Do not use water jet as an extinguisher.
Special protective equipment & precautions for firefighters:	Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Flash Points:	Not determined.
Specific hazards arising from the chemical:	Thermal decomposition can lead to release of irritating and toxic gases and vapors. See also Stability and reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid contact with skin, eyes or clothing. Contaminated work clothing should not be allowed out of the workplace. Avoid generation of dust. Do not breathe dust. Wash thoroughly after handling. Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.
Environmental precautions:	Avoid liquid release into sewers/public water/environment. Notify environmental authorities in case of leak.
Methods and material for containment and cleaning up:	Use protective equipment while cleaning. Avoid dust formation. Dust formation that cannot be avoided must be collected regularly. Use a tested industrial vacuum cleaner or suction device. Do not raise dust while cleaning. Use of a blower for cleaning is not permitted. Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling:	Take care to maintain clean working place. Do not leave container open. Sufficient ventilation must be guaranteed for refilling, transfer, or open use. Avoid spillage. Fill only into labelled container. Avoid rising dust. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.
Conditions for safe storage, incl. any incompatibilities:	Do not use any food containers - risk of mistake. Containers have to be labelled clearly and permanently. Store in the original container as much as possible. Keep container tightly closed. Recommended storage at room temperature. Store in a dry place. Store away from incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Potassium Sorbate	Not available		

TWA: Time Weighted Average over 8 hours of work.
 TLV: Threshold Limit Value over 8 hours of work.
 REL: Recommended Exposure Limit
 PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.
 IDLH: Immediately Dangerous to Life or Health
 WEEL: Workplace Environmental Exposure Levels
 CEIL: Ceiling

Personal Protection:

Eyes:	Wear safety glasses with side protection shield.
Inhalation:	In an emergency (e.g.: unintentional release of the substance) respiratory protection must be worn. Consider the maximum period for wear. Respiratory protection: Particle filter P2 or P3, color code white. Use insulating device for concentrations above the usage limits for filter devices, for oxygen concentrations below 17% volume, or in circumstances which are unclear.
Body:	Use protective gloves. The glove material must be sufficiently impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well-ventilated location. Pay attention to skin care. Skin protection cremes do not protect sufficiently against the substance. Textile or leather gloves are unsuitable. The following information is valid for aqueous, saturated solutions of the

salt. The following materials are suitable for protective gloves (Permeation time \geq 8 hours): Natural rubber/Natural latex - NR (0.5 mm) (use non-powdered and allergen free products), Polychloroprene - CR (0.5 mm), Nitrile rubber/Nitrile latex - NBR (0.35 mm), Butyl rubber - Butyl (0.5 mm), Fluoro carbon rubber - FKM (0.4 mm), Polyvinyl chloride - PVC (0.5 mm). Depending on the risk, wear tight protective clothing or a suitable chemical protection suit.

Other: Use good personal hygiene practices. Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid	Vapor Pressure:	Not determined
Odor:	Odorless	Vapor Density:	Not determined
Odor Threshold:	Not determined	Evaporation Rate:	Not determined
Color:	White	Flammability:	Combustible solid
Molecular Weight:	No data available	Upper/lower Explosive Limit:	No data available
pH at 20 °C:	8 - 11 (1400 g/L)	Flash Point:	Not determined
Boiling Point:	$\geq 401^{\circ}\text{F}$ ($\geq 205^{\circ}\text{C}$) (1013.3 hPa)	Specific Gravity:	1400 g/L (20 °C)
Melting/Freezing Point:	$\geq 401^{\circ}\text{F}$ ($\geq 205^{\circ}\text{C}$)	Water Solubility:	Not determined
Density:	1.36 g/cm ³ (20 °C)	Auto-Ignition Temperature:	$>302^{\circ}\text{F}$ ($>150^{\circ}\text{C}$)
Relative Density:	1.36 (20 °C)	Bulk Density:	Not determined
Partition Coefficient: n-octanol/water:	Not determined	Decomposition Temperature:	$>518^{\circ}\text{F}$ ($>270^{\circ}\text{C}$)
Viscosity:	Not determined	Explosive Properties:	Not an explosive
Oxidizing Properties:	Not determined	Metal Corrosion:	No data available

10 STABILITY AND REACTIVITY

Reactivity:	Stable under recommended storage and handling conditions.
Chemical Stability:	Stable under normal conditions.
Hazardous Polymerization:	No data available.
Conditions to Avoid:	Heat, flames and sparks. Incompatible materials.
Incompatible Materials:	Aluminium, Zinc, Tin.
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, metal oxide fume.
Possible Hazardous Reactions:	None under normal processing.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	(Rat, Oral) LD50: = 3200 mg/kg.
Skin:	Substance causes slight skin irritation.
Eyes:	Contact with eyes may cause irritation.
Inhalation:	Inhalation of vapors in high concentration may cause irritation of respiratory system.
Ingestion:	Ingestion may cause irritation to mucous membranes.
Carcinogenicity:	No data available.
Teratogenicity:	No data available.
Germ Cell Mutagenicity:	No data available.
Embryotoxicity:	No data available.
Specific Target Organ Toxicity:	No data available.
Reproductive Toxicity:	No data available.
Sensitization:	No sensitization responses were observed.

12 ECOLOGICAL INFORMATION

Ecotoxicity:	No data available.
Aquatic Vertebrate:	(Brachydanio rerio) LC50 Static: 1250: 96 hours.
Aquatic Invertebrate:	No data available.
Terrestrial:	No data available.
Persistence and Degradability:	Possibly hazardous short term degradation products are not likely. However, long term

Bioaccumulative Potential:	degradation products may arise.
Mobility in Soil:	No data available.
PBT and vPvB Assessment:	No data available.
Other Adverse Effects:	No data available.

13 DISPOSAL CONSIDERATIONS

Waste Residues:	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product.
Product Containers:	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

14 TRANSPORT INFORMATION

DOT (Dept. of Transportation, USA):	Not regulated.
TDG (Transportation of Dangerous Goods, Canada):	No data available.
IMDG (International Maritime Dangerous Goods):	Non-marine pollutant.
IATA (International Air Transport Association):	No data available.
ICAO (International Civil Aviation Organization):	No data available.

15 REGULATORY INFORMATION

TSCA Inventory Status:	Listed.
Canada (NDSL/DSL):	Listed.
EU (EINECS):	Listed.
China (IECSC):	Listed.
Australia (AICS):	Listed.
Japan (ENCS):	Listed.
Philippines (PICCS):	Listed.
Korea (KECL):	Listed.
New Zealand (NZIoC):	No data available.

16 OTHER INFORMATION

Revision Date:	18-Aug-2025
Compliance:	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
Disclaimer:	This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.