

SAFETY DATA SHEET

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POTASSIUM SORBATE

SECTION 1: Identification of the substance/mixture and of the company/undertaking Trade name:

1.1 Product identifier:	
CAS Number:	24634-61-5
EC number:	202-307-7.
1.2 SYNONYMS	<ul style="list-style-type: none">• 2,4-Hexadienoic acid, potassium salt• Potassium salt of sorbic acid• E202 (food additive code)• Sorbic acid potassium salt• Sorbistat K

SECTION 2: Hazards identification:

2.1 Classification of the substance or mixture:	Classification according to Regulation (EC) No 1272/2008 The substance is classified according to the CLP regulation.
2.2 Label elements:	Labelling according to Regulation (EC) No 1272/2008 Skin irritation/corrosion(category 2) Serious eye damage/eye irritation (Category 2)
Hazard Pictograms:	
Signal Word:	Warning
Hazard statements:	H315: Causes skin irritation H319: Causes serious eye irritation
Precautionary Statements:	P280: Wear protective gloves/protective clothing/eye protection/face Protection. P264: Wash face, hands and any exposed skin thoroughly after handling P302 + P352: IF ON SKIN: Wash with plenty of soap and water P332 + P313: If skin irritation occurs: Get medical advice/attention

	<p>P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing</p> <p>P337 + P313: If eye irritation persists: Get medical advice/attention</p>
2.3 Other hazards:	
Inhalation:	can cause respiratory irritation, coughing, and throat discomfort
Ingestion:	May cause severe gastrointestinal irritation, nausea, vomiting, and abdominal pain.
Skin Contact:	can cause mild irritation, redness and itching in sensitive individuals.
Eye contact:	May cause irritation, redness, pain and burning sensation.
Chronic Exposure:	may cause skin or respiratory sensitivity in some individuals, potentially leading to allergic reactions such as dermatitis or asthma-like symptoms
Aggravation of pre-existing conditions :	Aggravation of pre-existing conditions such as asthma, respiratory disorders, or skin sensitivities may occur with prolonged exposure to potassium sorbate

SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation:	Substances
CAS No:	Description: 24634-61-5 POTASSIUM SORBATE
Identification number(s):	EC number: 202-307-7

SECTION 4: First aid measures

4.1 Description of first aid measures	
General information:	
After inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician
After skin contact:	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, Consult a physician.
After eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes, If irritation persists, consult a physician
After swallowing:	Rinse mouth Get medical attention Never give anything by mouth to an unconscious person. Consult a physician.
4.2 Most important symptoms and effects, both acute and delayed:	Causes skin irritation. Causes serious eye irritation
4.3 Indication of any immediate medical attention and special treatment needed:	Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media	Dry chemical, carbon dioxide, water spray, alcohol-resistant foam. Do NOT use water jet.
5.2 Special hazards arising from the substance or mixture	During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. This can create toxic gases and vapors.
5.3 Advice for firefighters	Wear fully protective suit, safety glasses and respiratory device .
5.4 further information	no data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures	<p>Use personal protective equipment.</p> <p>Avoid breathing vapors, mist or gas.</p> <p>Ensure adequate ventilation.</p> <p>Remove all sources of ignition.</p> <p>Evacuate personnel to safe areas.</p> <p>Beware of vapours accumulating to form explosive concentrations.</p> <p>Vapours can accumulate in low areas.</p>
6.2 Environmental precautions:	<p>Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Avoid release into environment.</p>
6.3 Methods and material for containment and cleaning up:	<p>Wore chemical protection suit and self-contained breathing apparatus (SCBA). Collect spilled into container and absorb with sand, earth or inert substances.</p> <p>Keep containers tightly sealed.</p> <p>Do not allow water into the container ban chemical exposure.</p> <p>Spray water to reduce vapours.</p> <p>Ventilate the area and wash clean the area spilled material contained closed.</p> <p>Use of a blower for cleaning is not permitted. Avoid dust formation.</p>

SECTION 7: Handling and storage

7.1 Precautions for safe handling	<p>For use in are with adequate ventilation.</p> <p>Do not use in confined spaces.</p> <p>Electrostatic discharge protection.</p> <p>Do not let flame ignition</p> <p>Minimize dust generation and accumulation.</p> <p>Avoid ingestion and inhalation.</p> <p>Avoid rising dust.</p>
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7.2 Conditions for safe storage, including any incompatibilities	Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks.
Requirements to be met by storerooms and receptacles:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
7.3 Specific end uses	no data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters	
Additional information about design of technical facilities:	A system of local and general exhaust is recommended
8.2 Exposure controls	
Appropriate engineering controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Personal protective equipment:	Dust respirator, protective masks, wearing anti chemical gloves, rubber gloves, etc.
General protective and hygienic measures:	Eyes, body and hand protection, maintain indoor air unobstructed. Wear protective equipment.
	Respiratory protection: Required.
Protection of hands:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands

	Eye protection: Required
Protection of Body:	Complete suit protecting against chemicals, Flame retardant antistatic protective clothing.
Environmental exposure controls:	Low hazard to waters. Inform the responsible authorities when very large quantities get into water, drainage, sewer, or the ground.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
General Information	
Appearance: Form:	Solid
Colour:	White
Odour:	odourless
pH-value:	8-11
Melting point/Melting range:	205°C (approx.)
Boiling point/Boiling range:	205°C (approx.)
Flammability (solid, gaseous):	Combustible solid
Ignition temperature:	> 150 °C
Decomposition temperature:	> 270 °C
Self-igniting:	No data available
Flash point:	210°C in closed cup
Danger of explosion:	Not applicable
Explosion limits: Lower:	No data available
Explosion limits: Upper:	No data available
Vapour pressure:	No data available
Density at 20 °C:	1.36 g/cm ³ (approx.)
Relative density:	1.36
Vapour density:	No data available
Evaporation rate:	No data available
Solubility in / Miscibility with- water at 20 °C:	highly soluble
Partition coefficient:(n- octanol/water)	1.3
Viscosity:	No data available

SECTION 10: Stability and reactivity

10.1 Reactivity	No data available
10.2 Chemical stability	Stable under proper operation and storage conditions.
10.3 Possibility of hazardous reactions	None under normal processing.
10.4 Conditions to avoid	Incompatible materials, heat, flame and sparks
10.5 Incompatible materials	Aluminium, Zinc, Tin
10.6 Hazardous decomposition products	Carbon monoxide, carbon dioxide, Metal oxide fume.

SECTION 11: Toxicological information

11.1 Information on toxicological effects	
Acute Toxicity:	LD50 (Oral, Rat) : 3800 mg/kg [Mouse] LD50 (Dermal, Rabbit) : no data available LC50 (Inhalation Rat) : no data available
Skin corrosion/Irritation:	Causes skin irritation
Serious eye damage/irritation:	Causes serious eye irritation
Respiratory damage/irritation:	No data available
Ingestion:	No data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	The material is Not listed under IARC and NTP
Reproductive toxicity:	no data available
Specific target organ toxicity - single exposure:	No data available
Specific target organ toxicity - repeated exposure:	No data available
Aspiration hazard:	No data available
Signs and Symptoms of Exposure:	Refer section 2.3
11.2 Additional toxicological information	
Aquatic Toxicity:	No data available
Biodegradability:	readily biodegradable.

SECTION 12: Ecological information

12.1 Toxicity Aquatic toxicity:	No data available
12.2 Persistence and degradability:	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise
12.3 Bioaccumulative potential:	No data available
12.4 Mobility in soil:	No data available
12.5 Other adverse effects	No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods	
Uncleaned packaging Recommendation:	dispose of in accordance with local hazardous waste regulations
Recommended cleansing agents:	Water and mild soap, baking soda isopropyl alcohol, Neutral pH cleaners, Rinse with warm water.

SECTION 14: Transport information

14.1 UN-Number · ADR, ADN, IMDG, IATA:	None
14.2 UN proper shipping name · ADR, ADN, IMDG, IATA:	Not applicable
14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA :	Not applicable
14.4 Packing group · ADR, IMDG, IATA:	Not applicable
14.5 Environmental hazards:	No data available
14.6 Special precautions for user	No data available

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Directive 2012/18/EU	Directive 2012/18/EU, under that this substance is not classified as harmful substances
Named dangerous substances	This substance is not listed in the annex 1 to the directive.

15.2 Chemical safety assessment:	Chemical assessment has not been carried out
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SECTION 16: Other information

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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 process, unless specified in the text