

## SAFETY DATA SHEET

### POTASSIUM SORBATE

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

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

#### SECTION 2: Hazards identification:

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

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

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

### SECTION 4: First aid measures

<b>4.1 Description of first aid measures</b>	
<b>General information:</b>	
<b>After inhalation:</b>	If breathed in, move person into fresh air. If not breathing, give

	artificial respiration. Consult a physician
<b>After skin contact:</b>	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.
<b>After eye contact:</b>	Immediately flush eyes with plenty of water for at least 15 minutes, If irritation persists, consult a physician
<b>After swallowing:</b>	Rinse mouth Get medical attention Never give anything by mouth to an unconscious person. Consult a physician.
<b>4.2 Most important symptoms and effects, both acute and delayed:</b>	Causes skin irritation. Causes serious eye irritation
<b>4.3 Indication of any immediate medical attention and special treatment needed:</b>	Treat symptomatically.

## SECTION 5: Firefighting measures

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

## SECTION 6: Accidental release measures

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

## SECTION 7: Handling and storage

<p><b>7.1 Precautions for safe handling</b></p>	<p>For use in are with adequate ventilation.          Do not use in confined spaces.          Electrostatic discharge protection.          Do not let flame ignition          Minimize dust generation and accumulation.          Avoid ingestion and inhalation.          Avoid rising dust.</p>
<p><b>7.2 Conditions for safe storage, including any incompatibilities</b></p>	<p>Store in original containers.</p>

	<p>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.</p>
<b>Requirements to be met by storerooms and receptacles:</b>	<p>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.</p>
<b>7.3 Specific end uses</b>	no data available

## SECTION 8: Exposure controls/personal protection

<b>8.1 Control parameters</b>	
<b>Additional information about design of technical facilities:</b>	A system of local and general exhaust is recommended
<b>8.2 Exposure controls</b>	
<b>Appropriate engineering controls</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
<b>Personal protective equipment:</b>	Dust respirator, protective masks, wearing anti chemical gloves, rubber gloves, etc.
<b>General protective and hygienic measures:</b>	Eyes, body and hand protection, maintain indoor air unobstructed. Wear protective equipment.
	<b>Respiratory protection:</b> Required.
<b>Protection of hands:</b>	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
	<b>Eye protection:</b> Required

<b>Protection of Body:</b>	Complete suit protecting against chemicals, Flame retardant antistatic protective clothing.
<b>Environmental exposure controls:</b>	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

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

## SECTION 10: Stability and reactivity

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

## SECTION 11: Toxicological information

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

## SECTION 12: Ecological information

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

## SECTION 13: Disposal considerations

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

## SECTION 14: Transport information

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

## SECTION 15: Regulatory information

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Directive 2012/18/EU</b>	Directive 2012/18/EU, under that this substance is not classified as harmful substances
<b>Named dangerous substances</b>	This substance is not listed in the annex 1 to the directive.
<b>15.2 Chemical safety assessment:</b>	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

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