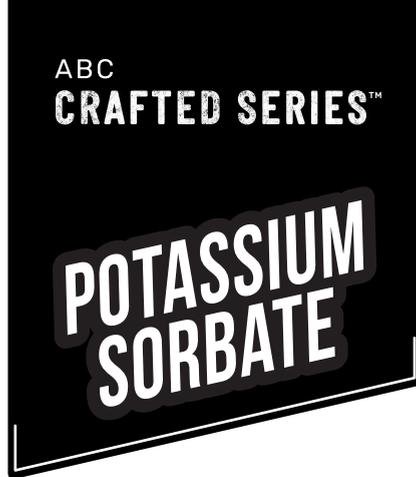




London ON,
N6N1N7
www.abccork.com



MATERIAL SAFETY DATA SHEET

1 Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Product Name	Potassium Sorbate	Trade Name	E202, Sorbistat-K, Sorbistat Potassium, Sorbic acidpotassium salt
Product Code	01ABC084	CAS-No.	24634-61-5

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Preservative / antimicrobial agent
--------------------------	------------------------------------

2 Hazards Identification

2.1. Classification of the substance or mixture

Classification under Regulation (EC) No 1728/2008	Skin irritation (Category 2) Eye Irritation (Category 2) Specific target organ toxicity – single exposure (Category 3)
Classification (67/548/EEC)	Irritating to eyes, respiratory system and skin. The Full Text for all R-Phrases and Hazard (H) Statements are displayed in Section 16.

2.2. Label Elements

Labelling according to regulation (EC) no 1272/2008		Signal Word	Warning
		Hazard Pictograms	GHS07: Exclamation mark
Hazard Statements	H315: Causes skin irritation H319: Causes serious eye irritation H335: May cause respiratory irritation		
Precautionary Statements	P261: Avoid breathing dust/fume/gas/mist/vapours/spray P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.		
In accordance with European Directive 67/548/EEC:		Hazard Pictograms	Xn: Harmful
R-Phrase(s) R36/37/38	Irritating to eyes, respiratory system and skin		
S-Phrase(s) S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice		

3 Composition/Information on ingredients

3.1. Substances

Component	Cas-No.	EC-No.
Potassium (E,E)-hexa-2,4-dienoate	24634-61-5	246-376-1

4 First aid measures

4.1. Description of first aid measures

General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
Inhalation	If inhaled move the exposed person to fresh air immediately. If not breathing, give artificial respiration. Seek medical attention immediately.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention immediately.
Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Seek medical attention immediately. Remove any contact lenses and open eyes wide apart.
Skin Contact	Remove contaminated clothing immediately and wash skin with plenty of water and soap. Seek medical attention if symptoms occur after washing.

4.2. Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

5 Firefighting measures

5.1. Extinguishing media

Extinguishing media	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
----------------------------	--

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	Carbon oxides, Potassium oxides
--------------------------------------	---------------------------------

5.3. Advice for firefighters

Special protective equipment	Wear appropriate protective equipment and self contained breathing apparatus in case of fire.
-------------------------------------	---

6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

6.2. Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3. Methods and material for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4. Reference to other sections

For disposal see section 13.

7 Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3. Specific end use(s)

Apart from uses mentioned in section 1.2 no other specific uses are stipulated.

8 Exposure controls / personal protection

8.1. ControlParameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2. Exposure control

Personal protective equipment (PPE):



Appropriate Engineering Controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.



Eye/ Face Protection	Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin Protection	<p>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. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.</p> <p>Full contact: Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested: Dermatrill® (KCL 740 / Aldrich Z677272, Size M)</p> <p>Splash contact: Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested: Dermatrill® (KCL 740 / Aldrich Z677272, Size M)</p> <p>If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.</p>
Body Protection	Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory Protection	For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9 Physical & Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Beads
Colour	White
Solubility	Slightly soluble in water
Melting Point	210°C – decomposes on heating
Relative Density	1.360 g/cm ³
pH (22.2g/L at 25°C)	8.0 - 11.0
Water Solubility Value (g/L @ 20°C)	1,400 – Slightly soluble
Molecular weight	150.22



10 Stability & Reactivity

Reactivity	No data available.
Chemical stability	No data available.
Conditions to avoid	No data available.
Incompatible materials	Strong oxidising agents.
Hazardous decomposition products	Other decomposition products – No data available In the event of fire: see section 5

11 Toxicology Information

11.1. Information on toxicological effects

Germ cell mutagenicity	Genotoxicity invitro – Hamster – fibroblast Cytogenic analysis
Carcinogenicity	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Specific target organ toxicity - single exposure	Inhalation – May cause respiratory irritation
Potential health effects	Inhalation: May be harmful if inhaled. Causes respiratory tract irritation. Ingestion: May be harmful if swallowed. Skin: May be harmful if absorbed through skin. Causes skin irritation. Eyes: Causes serious eye irritation.
Signs and Symptoms of Exposure	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.
Additional Information	RTECS: WG217000

12 Ecological Information

No data available

13 Disposal Considerations

13.1. Waste treatment methods

Product/package disposal	Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Contaminated packaging	Dispose of as unused product.

14 Transport Information

14.1. UN proper shipping name

ADR/RID/AND	Not dangerous goods
-------------	---------------------

IMDG	Not dangerous goods
------	---------------------

IATA	Not dangerous goods
------	---------------------

14.2. Environmental hazards

ADR/RID/AND	No
-------------	----

IMDG	No
------	----

IATA	No
------	----

15 Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

Chemical Safety Assessment	No data available
----------------------------	-------------------