

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Name of substance: POTASSIUM SORBATE GRANULAR

Identification of the product:

CAS: 24634-61-5

EC: 246-376-1

Formula: $C_6H_7O_2K$

Identified uses: Used as antiseptic in the food service industry

Company name: Nexchem Ltd
Unit 3 Barshaw Park
Leycroft Road
Leicester
LE4 1ET
Tel: 0116 2311130
24/7 Emergency Tel: 0800 246 1274
Email: sales@nexchem.co.uk

2. HAZARDS IDENTIFICATION

Hazard Pictograms:



Signal Word(S): Warning

Hazard Statement: H315: Causes skin irritation.

H319: Causes serious eye irritation.

Precautionary statement: P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313: If skin irritation occurs: Get medical advice/attention.
P337 + P313: If eye irritation persists: Get medical advice/attention.
P362: Take off contaminated clothing and wash before reuse.

SAFETY DATA SHEET

Potassium Sorbate

Issued: 03/11/2021

Page 2

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name:	2,4-Hexadienoic,(E,E)-Potassium Salt
CAS No.:	590-00-1/ 24634-61-5
Concentration:	>99%
IMO/IMDG:	This product is general chemical product, not dangerous goods, so it does not have an IMDG code.

4. FIRST AID MEASURES

In all cases of doubt, or when symptoms persist, seek medical attention.

In case of inhalation:	Seek fresh air and aid breathing if necessary. Get medical attention.
In case of skin contact:	Wash with large amounts of water for 15 to 20 minutes.
In case of eyes contact:	Wash with large amounts of water for 15 to 20 minutes.
In case of ingestion:	Treat symptomatically and supportively. In the event of persist symptoms receive medical treatment.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Alcohol-resistant foam; Dry powder; Carbon dioxide; water spray jet.
Special hazards arising from the substance or mixture:	Special hazards caused by the substance, its products of combustion or resulting gases: In case of fire, the following can be released: Carbon monoxide (CO).
Advice for firefighters:	Don't inhale explosion and/or combustion gases. Protective equipment: Mouth respiratory protective device. Additional information: Large amounts of soot are formed in burning.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Remove ignition sources. Provide adequate ventilation. Avoid inhalation of vapour or dust. Avoid skin and eye contact. Wear protective gloves/protective clothing/eye protection/face protection. Wear an appropriate NIOSH/MSHA approved respirator if dust is generated.
Environmental precautions:	Prevent product from entering drains.
Methods for cleaning up:	Sweep up and shovel into suitable.

7. HANDLING AND STORAGE

Precautions for safe handling:	
Information for safe handling:	No special measures required.
Information about fire-and explosion protection:	Keep ignition sources away. Do not smoke. Protect against electrostatic charges.
Conditions for safe storage:	
Requirements to be met by storerooms and receptacles:	No special requirements.
Information about storage in one common storage facility:	No required.
Further information about storage conditions:	Store in cool, dry conditions in well-sealed receptacles. Protect from exposure to the light.

[cont...]

SAFETY DATA SHEET

Potassium Sorbate

Issued: 03/11/2021

Page 3

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace: No required.

Additional information: The lists valid during the making were used as basis.

Appropriate engineering controls: Avoid dust generation. Ensure good ventilation and local exhaustion of the working area.

Individual protection measures, such as personal protective equipment: The usual precautionary measures are to be adhered to when handling chemicals.

Eye/face protection: Wear appropriate goggles to prevent eye exposure.

Hand protection: Wear appropriate gloves to prevent skin exposure.

Body protection: Wear suitable protective clothing to prevent skin exposure.

Respiratory protection: Avoid breathing dust. In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards: Wear suitable protective clothing to prevent heat.

Environmental exposure controls: Avoid discharge into the environment.
According to local regulation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Granular
Odour:	Slight characteristic odour
Colour:	White or off white
Melting point:	133-135°C
pH:	8.5-10.5
Ignition temperature (°C):	>150°C (wire basket)
Danger of explosion:	Product does not present an explosion hazard
Bulk density:	0.670g/ cm ³
Relative Density:	1.36g/cm ³ (20°C)
Water solubility (g/l) at 20°C:	58 Gew-%
Vapour pressure (20°C):	Negligible at room temperatures
Molecular Formula:	C ₆ H ₇ KO ₂
Molecular Weight:	150.22

10. STABILITY AND REACTIVITY

Reactivity: The substance is stable under normal storage and handling conditions.

Chemical stability: Under normal conditions, the product is stable. No hazardous reaction when handled and stored according to provisions.

Possibility of hazardous reactions: Under normal conditions, not hazardous reactions will occur.

Conditions to avoid: Incompatible materials, combustible materials, organic materials, reducing agents, strong acids.

Incompatible materials: Carbon dioxide.

Hazardous decomposition products: None.

[cont...]

11. TOXICOLOGICAL INFORMATION**Toxicokinetics, metabolism and distribution:****Non-human toxikological data:** Not available.**Method:** Not available.**Dosis:** Not available.**Routes of administration:** Not available.**Results:** Not available.**Absorption:** Not available.**Distribution:** Not available.**Metabolism:** Not available.**Excretion:** Not available.**Information on toxicological effects :****Acute toxicity:****LD50(Oral, Rat):** >2000mg/kg**LD50(Dermal Rat):** >2000mg/kg**LD50(Inhalation, Rat):** Not available.**Skin corrosion/Irritation:** Causes skin irritation.**Serious eye damage/irritation:** Causes serious eye irritation.**12. ECOLOGICAL INFORMATION**

Ecological data is not available, don't monitored into the environment.

13. DISPOSAL CONSIDERATIONS**Waste treatment methods:** Avoid discharge directly into the environment. According to local regulations, Federal and official regulations.**Product / Packaging disposal:** Dispose of them at a suitable waste incineration plant in accordance with the official regulation.**14. TRANSPORT INFORMATION**

Not dangerous cargo. Don't regulate by IMDG/IMO and fit for sea transportation.

15. REGULATORY INFORMATION

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

SAFETY DATA SHEET

Potassium Sorbate

Issued: 03/11/2021

Page 5

16. OTHER INFORMATION

Legal disclaimer:

The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation. This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.