

SAFETY DATA SHEET

POTASSIUM SORBATE POWDER USP/NF

1. PRODUCT INFORMATION AND COMPANY IDENTIFICATION

Product Name: Potassium Sorbate Powder USP/NF
INCI Name: Potassium Sorbate
CAS Number: 24634-61-5
Recommended Use: Antimicrobial Ingredient
Company: Level 7 Chemical, Inc.
253 Sturgis Rd
Conway, AR 72034
1-855-927-1777

Emergency Contact: Chemtrec: 800-424-9300

2. HAZARD IDENTIFICATION

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Classification of the substance or mixture : Combustible solid

Skin corrosion/irritation Category 2 - (H315)
Serious eye damage/eye irritation Category 2 - (H319)
Respiratory irritation Category 3 - (H335)

GHS Label elements
Symbols/Pictograms



Signal word
Hazard Statements

Warning
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H335 May cause respiratory irritation.

Precautionary Statements P261 -Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P264 -Wash skin thoroughly after handling.
P271 -Use only outdoors or in a well-ventilated area

P280 - Wear protective gloves/protective clothing/eye protection/face protection
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER or doctor/ physician if you feel unwell.
P321 Specific treatment (see supplemental first aid instructions on this label).
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.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/ container to an approved waste disposal plant

Other hazards

No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

INCI NAME	CAS NO.	CONCENTRATION (%)
Potassium Sorbate	24634-61-5	>98

4. FIRST AID MEASURES

Description of first aid measures

General advice

Remove contaminated clothing and shoes. If symptoms persist, call a physician.

Inhalation

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

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, call a physician.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

Rinse mouth Get medical attention Never give anything by mouth to an unconscious person

Most important symptoms and effects, both acute and delayed

Causes skin irritation. Causes serious eye irritation

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media Water (spray - not splash)
Dry extinguishing powder
Alcohol resistant foam
Carbon dioxide

Unsuitable extinguishing media Do not use water jet.

Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapors

Advice for firefighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and 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
Use personal protection recommended in Section 8
Wash thoroughly after handling

Environmental precautions

Avoid release to the environment

Methods and material for containment and cleaning up

Use protective equipment while cleaning if necessary.

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. Use protective equipment while cleaning if necessary.

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Reference to other sections

See Section 7 for more information

See section 8 for more information

See section 13 for more information

7. HANDLING AND 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.

Conditions for safe storage, including 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.

Specific end use(s)

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

No data available.

Derived No Effect Level (DNEL)

No information available.

Predicted No Effect Concentration (PNEC)

No information available.

Exposure controls

Engineering Controls

Ensure adequate ventilation, especially in confined areas. Showers. Eyewash stations. Remove all sources of ignition.

Personal protective equipment

- Eye/face protection Sufficient eye protection must be worn.
Wear glasses with side protection.

- Hand Protection 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 completely unsuitable.
The following information is valid for aqueous, saturated solutions of the salt.
The following materials are suitable for protective gloves (Permeation time >= 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)

- Skin and body protection Depending on the risk, wear a tight protective clothing or a suitable chemical protection suit.

- Respiratory protection 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, colour 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.

Environmental exposure controls

Low hazard to waters. Inform the responsible authorities when very large quantities get into water, drainage, sewer, or the ground.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Solid
Color	White
Odor	Odourless
Odor Threshold	Not determined

pH	8 - 11(20 °C, 1400 g/L)
Melting point/freezing point	>= 205 °C
Boiling point / boiling range	>= 205 °C(1013.3 hPa)
Flash point	Not determined
Evaporation rate	Not determined
Flammability (solid)	Combustible solid
Flammability Limit in Air	Not determined
Vapor Pressure	Not determined
Vapor density	Not determined
Density	1.36 g/cm ³ (20 °C)
Relative density	1.36 (20 °C)
Specific gravity	Not determined
Water solubility	1400 g/L(20 °C)
Partition coefficient (LogPow)	Not determined
Autoignition temperature	> 150 °C
Decomposition temperature	> 270 °C
Kinematic viscosity	Not determined
Dynamic viscosity	Not determined
Explosive properties	Not an explosive
Oxidizing properties	Not determined

Other information

No information available

10. STABILITY AND REACTIVITY

Reactivity

No information available.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Heat, flames and sparks. Incompatible materials.

Incompatible materials

Aluminium

Zinc

Tin

Hazardous decomposition products

Carbon monoxide and carbon dioxide

Metal oxide fume

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

Acute oral toxicity (LD50): 3800 mg/kg [Mouse]

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Sensitization

No sensitization responses were observed.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Reproductive toxicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Aspiration hazard

No information available.

12. ECOLOGICAL INFORMATION**Toxicity**

No data available.

Persistence and degradability

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Bioaccumulative potential

No information available.

Mobility in soil

No information available

Results of PBT and vPvB assessment

PBT/vPvB assessment information is not available as chemical safety assessment not conducted.

Other adverse effects
No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products
Disposal should be in accordance with applicable regional, national and local laws and regulations

Contaminated packaging
Disposal should be in accordance with applicable regional, national and local laws and regulations

14. TRANSPORT INFORMATION

UN Number Not regulated
Proper shipping name Not regulated
Hazard Class Not regulated
Packing Group Not regulated
Environmental hazards Non-marine pollutant
Special precautions No information available

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

IMDG/IMO No

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture Such as OSHA, Department of Transportation, Environmental Protection Agency, or Consumer Product Safety Commission regulations.

International Inventories

Component	TSCA	DSL/NDL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	GHS
Potassium sorbate 24634-61-5 (>98%)	X	X	-	X	X	X	X	X

"-" Not Listed
"X" Listed

Chemical safety assessment

No information available

16. OTHER INFORMATION

All statements, technical information and recommendations contained herein are based on tests and data which Level 7 Chemical, Inc. believes to be currently reliable, but this accuracy or completeness thereof is not guaranteed and no warranty of any kind is made with respect thereto. This information is not intended as a license to operate under or a recommendation to practice or infringe any patent of this company or others covering any process, composition of matter or use. Since we shall have no control of the use of the product described here in, we assume no Liability for loss or damage incurred from the proper or improper use of such product.