

MATERIAL SAFETY DATA SHEET (MSDS)

POTASSIUM SORBATE LR

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE

Product name: Potassium sorbate
CAS-No : 24634-61-5

Product Coad:P0171210000

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Skin irritation (Category 2)

Eye irritation (Category 2)

Specific target organ toxicity - single exposure (Category 3)

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Irritating to eyes, respiratory system and skin.

Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram

Signal word Warning

Hazard statement(s)

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary statement(s)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard none

Statements

According to European Directive 67/548/EEC as amended.

Hazard symbol(s)

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.

Other hazards - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Synonyms : Potassium 2,4-hexadienoate

Sorbic acidpotassium salt

Formula : C₆H₇KO₂

Molecular Weight : 150,22 g/mol

Component Concentration

Potassium (E,E)-hexa-2,4-dienoate

CAS-No. 24634-61-5 -

EC-No. 246-376-1

4. FIRST AID MEASURES

Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

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

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thoroughly investigated.

Indication of any immediate medical attention and special treatment needed
no data available

5. FIREFIGHTING MEASURES

Extinguishing media
Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture
Carbon oxides, Potassium oxides
Advice for firefighters
Wear self contained breathing apparatus for fire fighting if necessary.
Further information
no data available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
Environmental precautions
Do not let product enter drains.
Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
Reference to other sections
For disposal see section 13.

7. HANDLING AND STORAGE

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.
Conditions for safe storage, including any incompatibilities
Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
Specific end uses
no data available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
Components with workplace control parameters
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
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
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.
Immersion protection
Material: Nitrile rubber

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Minimum layer thickness: 0,11 mm

Break through time: 480 min
 Material tested: Dermatrill® (Z677272, Size M)
 Splash protection
 Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

Material tested: Dermatrill® (Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 873000, test method: EN374

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 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.

Body Protection

impervious clothing. 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 AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

a) Appearance Form: Beads

Colour: light yellow

b) Odour no data available

c) Odour Threshold no data available

d) pH 8,0 - 11,0 at 580 g/l at 20 °C

e) Melting point/freezing 210 °C - Decomposes on heating.
 point

f) Initial boiling point and no data available
 boiling range

g) Flash point no data available

h) Evaporation rate no data available

i) Flammability (solid, gas) no data available

j) Upper/lower no data available

flammability or

explosive limits

k) Vapour pressure no data available

l) Vapour density no data available

m) Relative density 1,360 g/cm³ at 20 °C

n) Water solubility 1.400 g/l at 20 °C - slightly soluble

o) Partition coefficient: n- no data available

octanol/water

p) Autoignition no data available

temperature

q) Decomposition no data available

temperature

r) Viscosity no data available

s) Explosive properties no data available

t) Oxidizing properties no data available

Other safety information

Bulk density 0,67 g/l

Solubility in other Ethanol 1 g/l at 20 °C

solvents

10. STABILITY AND REACTIVITY

Reactivity

no data available

Chemical stability

no data available

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Possibility of hazardous reactions

- no data available
- Conditions to avoid
 - no data available
- Incompatible materials
 - Strong oxidizing agents
- Hazardous decomposition products
 - Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

- Information on toxicological effects
- Acute toxicity
 - no data available
- Skin corrosion/irritation
 - no data available
- Serious eye damage/eye irritation
 - no data available
- Respiratory or skin sensitization
 - no data available
- Germ cell mutagenicity
 - Genotoxicity in vitro - Hamster - fibroblast
 - Cytogenetic 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.
- Reproductive toxicity
 - no data available
- Specific target organ toxicity - single exposure
 - Inhalation - May cause respiratory irritation.
- Specific target organ toxicity - repeated exposure
 - no data available
- Aspiration hazard
 - no data available
- 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: WG2170000

12. ECOLOGICAL INFORMATION

- Toxicity
 - no data available
- Persistence and degradability
 - no data available
- Bioaccumulative potential
 - no data available
- Mobility in soil
 - no data available
- Results of PBT and vPvB assessment
 - no data available
- Other adverse effects
 - no data available

13. DISPOSAL CONSIDERATIONS

- Waste treatment methods
 - Product
 - 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

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combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

Not regulated

15 - REGULATORY INFORMATION

N/A

16. Other Information

Product Use: Laboratory Reagent.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

DISCLAIMER:

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
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- **SUVCHEM** provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

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