

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 24-Nov-2016

Print date: 24-Nov-2016

Version: 4 modifiziert

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Powering Business Worldwide

Potassium sorbate

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

1.1. Product identifier

Trade name/designation:

Potassium sorbate

Additional information:

The substance does not require registration according to REACH.;

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

Use of the substance/mixture:

Product for Winetreatment.

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Eaton Technologies GmbH

Langenlonsheim Branch

An den Nahewiesen 24

55450 Langenlonsheim

Germany

Telephone: +49 6704 204-0 (Diese Nummer ist nur zu Bürozeiten besetzt.)

Telefax: +49 6704 204-121

E-mail: SDB@Eaton.com

Website: www.eaton.com/filtration

1.4. Emergency telephone number

Notfallauskunft bei Vergiftungen: Giftinformationszentrum Mainz (Deutsch und Englisch). Emergency medical information: Poison information center Mainz (German and English)., 24h: +49 6131 19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]:

| Hazard classes and hazard categories | Hazard statements | Classification procedure |
|---|--------------------------------------|--------------------------|
| Skin corrosion/irritation (<i>Skin Irrit. 2</i>) | H315: Causes skin irritation. | |
| Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>) | H319: Causes serious eye irritation. | |

2.2. Label elements

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

Hazard pictograms:



GHS07

Exclamation mark.

Signal word: Warning

| hazard statements for health hazards | |
|--------------------------------------|--------------------------------|
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |

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Precautionary statements Prevention

| | |
|--------|---|
| P262 | Do not get in eyes, on skin, or on clothing. |
| P264.1 | Wash hands thoroughly after handling. |
| P280.4 | Wear protective gloves/protective clothing and eye/face protection. |

Precautionary statements Response

| | |
|--------------------|--|
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P321 | Specific treatment (see ... 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. |

2.3. Other hazards

No data available


SECTION 3: Composition / information on ingredients

3.1. Substances

Description:

Sorbic acid potassium salt.

Hazardous ingredients / Hazardous impurities / Stabilisers:

| product identifiers | Substance name Classification according to Regulation (EC) No 1272/2008 [CLP] | Concentration |
|---------------------|---|---------------|
| CAS No.: 24634-61-5 | Kaliumsorbit  Warning H315-H319 | > 99 % |

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Following inhalation:

Provide fresh air. In case of breathing difficulties administer oxygen.

In case of respiratory tract irritation, consult a physician.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

IF ON CLOTHING: Take off immediately all contaminated clothing.

After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion:

Rinse mouth immediately and drink plenty of water. Call a physician in any case!

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

No data available

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Co-ordinate fire-fighting measures to the fire surroundings.

Water spray, alcohol resistant foam, Carbon dioxide (CO₂), Extinguishing powder

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Unsuitable extinguishing media:

High power water jet

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Burning produces heavy smoke.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Avoid contact with eyes and skin.
Wear personal protection equipment.
Provide adequate ventilation. Avoid dust formation.
Remove persons to safety.

6.1.2. For emergency responders

No data available

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For cleaning up:

Take up mechanically. Avoid dust formation.
Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7
Disposal: see section 13
Personal protection equipment: see section 8

6.5. Additional information

No data available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Avoid dust formation. Handle and open container with care. Provide adequate ventilation.
Avoid contact with skin. Avoid contact with eyes.
The product should be handled with the care usual when dealing with chemicals.

Fire prevent measures:

Keep away from sources of ignition - No smoking.
Take precautionary measures against static discharges.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels:

Keep container tightly closed in a cool, well-ventilated place. Keep container dry.
Protect against: Light, Heat
Protect against direct sunlight.
Unsuitable material for Container: Aluminium, Zinc, Tin

Hints on storage assembly:

Do not store together with: Oxidising agent

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7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Does not contain substances above concentration limits fixing an occupational exposure limit.

8.2.2. Personal protection equipment

Eye/face protection:

Tightly sealed safety glasses.

Skin protection:

Protect skin by using skin protective cream.

Hand protection: The glove material has to be impermeable and resistant to the product/the substance/the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Suitable material: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

NBR (Nitrile rubber)

Breakthrough time (maximum wearing time): The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Respiratory protection:

Respiratory protection necessary at: Generation/formation of dust

Suitable respiratory protection apparatus: Filtering device (DIN EN 147) P 1

Other protection measures:

Protective clothing: Take off immediately all contaminated clothing.

General health and safety measures: Keep away from food, drink and animal feedingstuffs.

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

8.2.3. Environmental exposure controls

No data available

8.3. Additional information

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: crystalline

Colour: whitish

Odour: odourless

Safety relevant basis data

| parameter | | at °C | Method | Remark |
|--|-----------------------|-------|--------|--------|
| pH | <i>not determined</i> | | | |
| Melting point | 270 °C | | | |
| Freezing point | <i>not determined</i> | | | |
| Initial boiling point and boiling range | <i>not determined</i> | | | |
| Decomposition temperature (°C): | <i>not determined</i> | | | |
| Flash point | <i>not determined</i> | | | |
| Evaporation rate | <i>not determined</i> | | | |
| Ignition temperature in °C | <i>not determined</i> | | | |
| Upper/lower flammability or explosive limits | <i>not determined</i> | | | |

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| parameter | | at °C | Method | Remark |
|--|-----------------------|-------|--------|--------|
| Vapour pressure | <i>not determined</i> | | | |
| Vapour density | <i>not determined</i> | | | |
| Density | <i>not determined</i> | | | |
| Bulk density | <i>not determined</i> | | | |
| Water solubility (g/L) | <i>not determined</i> | | | |
| Partition coefficient: n-octanol/ water | <i>not determined</i> | | | |
| Dynamic viscosity | <i>not determined</i> | | | |
| Kinematic viscosity | <i>not determined</i> | | | |

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

Keep away from heat.

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

In case of fire may be liberated: Carbon dioxide (CO₂)

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| CAS No. | Substance name | Toxicological information |
|------------|----------------|--|
| 24634-61-5 | Kaliumsorbit | LD₅₀ oral: 2,000 mg/kg (Rat) |

Skin corrosion/irritation:

Causes skin irritation.

Eye damage/irritation:

Causes serious eye irritation.

Respiratory or skin sensitisation:

Based on available data, the classification criteria are not met.

Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

Carcinogenicity:

Based on available data, the classification criteria are not met.

Reproductive toxicity:

Based on available data, the classification criteria are not met.

STOT-single exposure:

Based on available data, the classification criteria are not met.

STOT-repeated exposure:

Based on available data, the classification criteria are not met.

Aspiration hazard:

Based on available data, the classification criteria are not met.

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SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity:

No information available.

12.2. Persistence and degradability

Abiotic degradation:

No information available.

Additional information:

Further ecological information: According to the present state of knowledge negative ecological effects are not expected.

12.3. Bioaccumulative potential

Bioconcentration factor (BCF):

No information available.

12.4. Mobility in soil

not determined

12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6. Other adverse effects

Discharge into the environment must be avoided.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The disposal of the product has to be carried out in accordance with the legal requirements. EWC waste codes are strictly industry-oriented, therefore waste classification has to be done by the waste producer.

Waste treatment options

Appropriate disposal / Package:

Non-contaminated packages may be recycled.

13.2. Additional information

No data available

SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

| |
|---|
| 14.1. UN-No. |
| not relevant |
| 14.2. UN proper shipping name |
| not relevant |
| 14.3. Transport hazard class(es) |
| not relevant |
| 14.4. Packing group |
| not relevant |
| 14.5. Environmental hazards |
| not relevant |
| 14.6. Special precautions for user |
| not relevant |

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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
not relevant

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU legislation

No data available

15.1.2. National regulations

 [DE] National regulations

Restrictions of occupation

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (WGK)

WGK:

1 - schwach wassergefährdend

15.2. Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

15.3. Additional information

No data available

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

No data available

16.3. Key literature references and sources for data

No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Classification according to Regulation (EC) No 1272/2008 [CLP]:

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| Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>) | H319: Causes serious eye irritation. | |

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

| Hazard statements | |
|-------------------|--------------------------------|
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |

16.6. Training advice

No data available

16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.