

Potassium sorbate

Revision date: 13.10.2008 / 17.06.2015 Version: 3 Date of print: 06.01.2016



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

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

1.1. Product identifiers

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The substance does not require registration according to Regulation (EC) No 1207/2006 [REACH]: X

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

Use of the substance/ preparation: Product for Winetreatment.

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/
downstream user/distributor): Eaton Technologies GmbH

Langenlonsheim Branch
An den Nahewiesen 24
55450 Langenlonsheim

Telephone:

+49 6704 204-0

Telefax:

+49 6704 204-121

E-mail (competent person):

SDB@Eaton.com

Dept. responsible for information:

Produktmanagement

Only available during office hours.

Information telephone:

+49 6704 204-0

1.4. Emergency telephone number

Dept. responsible for information:

Emergency medical information: Giftinformationszentrum Mainz
(German and English).

Emergency telephone:

+49 (6131) 19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP):

Causes skin irritation.

Causes serious eye irritation.

Classification according to Directive 67/548/EEC or 1999/45/EC:

Irritating to eyes and skin.

2.2. Label elements

Labelling (67/548/EEC or 1999/45/EC):

Hazard symbol(s) and hazard identifier(s) for dangerous materials and preparations:

Xi



R phrases:

R phrases	
R36/38	Irritating to eyes and skin.

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S-phrases:

S-phrases	
S24/25	Avoid contact with skin and eyes.

Labelling (CLP)

Hazard pictograms: GHS07



Signal word: Warning

Hazard statements:

Hazard statements:	
H315	Causes skin irritation.
H319	Causes serious eye irritation.

Safety precautions:

Safety precautions:	
P262	Do not get in eyes, on skin, or on clothing.
P280.4	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.

2.3. Other hazards**SECTION 3: Composition / Information on ingredients****Chemical characterization (preparation):**

Sorbic acid potassium salt.

3.1. Substances**3.2. Mixtures****Hazardous ingredients:**

CAS No.	EC No	Chemical name:/ REACH registration No.	of (%)	up to (%)	Unit/ Content	Hazard symbol(s)	R phrases	INDEX no.
24634-61-5		potassium (E,E)-hexa-2,4-dienoate	100		Vol-%	Xi	36/38	

Full text of R-phrases: see section 16.

Labelling (CLP):

CAS No.	EC No	Chemical name:/ REACH registration No.	Hazard pictograms	Signal word	Hazard statements
24634-61-5		potassium (E,E)-hexa-2,4-dienoate	GHS07	Warning	315-319

Full text of H-phrases: see section 16.

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SECTION 4: First aid measures

4.1. Description of first aid measures

After 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.

Take off immediately all contaminated clothing.

In case of eye contact:

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

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

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

Information to physician:

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Atomized water. Alcohol resistant foam. Carbon dioxide (CO₂). Extinguishing powder.

Extinguishing media which must not be used for safety reasons:

High power water jet.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases:

In case of fire may be liberated: Carbon monoxide.

5.3. Advice for firefighters

Special protective equipment for firefighters:

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

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 skin and eyes.

Wear personal protection equipment. Remove persons to safety.

Provide adequate ventilation. Avoid generation of dust.

6.1.2. For emergency responders

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up:

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

6.4. Reference to other sections

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling:

Avoid generation of dust. Open and handle container with care. Provide adequate ventilation.

The product should be handled with the care usual when dealing with chemicals.

Precautions against fire and explosion:

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 storerooms and containers:

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

Protect against: Light, Heating

Protect against direct sunlight.

Unsuitable material for Container: Aluminium. Zinc. Tin

Hints on joint storage:

Do not store together with: Oxidising agent.

Storage class: 11

7.3. Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Technical measures:

See chapter 7. No additional measures necessary.

8.2.2. Personal protective equipment

Respiratory protection: Respiratory protection necessary at/for: Generation/formation of dust

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

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).

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

Eye protection: Tightly sealed safety glasses.

Body protection: Take off immediately all contaminated clothing.

Protect skin by using skin protective cream.

General protection and hygiene measures:

Keep away from food, drink and animal feeding stuffs. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

8.2.3. Environmental exposure controls:

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Granulate

Colour: whitish

Odour: odourless

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Important health, safety and environmental information:

		Unit	Method
pH:	8 - 11		at °C 20
Melting point / melting range:	270	°C	
Flammability:	<i>Non-flammable.</i>		
Explosivity:	<i>not explosive.</i>		
Density:	1,36	g/cm ³	at °C 20

9.2. Other information**SECTION 10: Stability and reactivity****10.1. Reactivity****10.2. Chemical stability**

Substance is, under normal conditions, chemically stable.

10.3. Possibility of hazardous reactions

Reacts with : Oxidising agent, strong.

10.4. Conditions to avoid

Keep away from heat.

10.5. Incompatible materials

Aluminium. Zinc. Tin

10.6. Hazardous decomposition productsIn case of fire may be liberated: Carbon dioxide (CO₂).**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity:**

CAS No.	Chemical name	LD50: oral	Unit	Species	LD50: dermal	Unit	Species	LC50: inhalat iv	Unit	Species
24634-61-5	potassium (E,E)-hexa-2,4-dienoate	> 2000	mg/kg	Rat.						

Irritant and corrosive effects:

Irritant effect on the skin: irritant.

Irritant effect on the eye: Causes serious eye irritation.

Harmful if swallowed.

May cause respiratory irritation.

Sensitisation:

not sensitising.

Repeated dose toxicity:

not determined

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):

not determined

Additional information:

Further hazardous properties cannot be excluded.

The usual precautionary measures are to be adhered to when handling chemicals.

SECTION 12: Ecological information**12.1. Toxicity****Aquatic toxicity:**

Acute fish toxicity

Brachydanio rerio (zebrafish) LC50: 1250 mg/l/96h.

Acute Daphnia toxicity

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Daphnia magna EC50: 750mg/l/48h.

Terrestrial toxicity:

Bacterial toxicity:

Pseudomonas putida EC 0: > 1000mg/l/16h

12.2. Persistence and degradability**Method:**

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

12.3. Bioaccumulative potential

Biodegradation: > 95% / 8d [modified Zahn-Wellens-Test]. Easily eliminable.

Further details:

Distribution: log Pow: 1,33 (calculated on the free acid) (experimental). No appreciable bioaccumulation potential is to be expected (log Pow 1-3).

12.4. Mobility in soil

not determined

12.5. Results of PBT and vPvB assessment

not determined

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods**Recommendation:**

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.

Contaminated packaging:**Recommendation:**

Non-contaminated packages may be recycled.

SECTION 14: Transport information

14.1. Land transport (ADR/RID)**14.2. Inland waterway craft (ADN/ADNR)****14.3. Sea transport (IMDG)****14.4. Air transport (ICAO-TI / IATA-DGR)****14.5. Additional information:**

No dangerous good in sense of these transport regulations.

SECTION 15: Regulatory information

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

Water Hazard Class: 1 Source: Anh. 3

15.2. Chemical Safety Assessment

SECTION 16: Other information

Further remarks:

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

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information on this safety data sheet is not necessarily valid for the new made-up material.

E-mail (competent person):

SDB@Eaton.com

Relevant R-and H-phrases (Number and full text):

R phrases	
R36/38	Irritating to eyes and skin.

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