

SAFETY DATA SHEET

Regulation (EC) No 1907/2006 (REACH), Annex II
(COMMISSION REGULATION (EU) No 453/2010)

Version 1
Product Name Potassium sorbate

Issue Date 26-Feb-2015
Revision date 24-Feb-2017

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

1.1. Product identifier

Product Name Potassium sorbate
CAS No 590-00-1
REACH registration number No information available

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

Recommended Use
Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Supplier Shandong Kunda Biotechnology company Limited
Address Yishui Economic Development Zone, Yishui County, Shandong, China
Postal Code 276400
Phone +86-532-68602833
FAX
E-mail kdbiotech@163.com

Importer
Address
Postal Code
Phone
FAX
E-mail

1.4. Emergency telephone number

+86-532-68602833

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Skin corrosion/irritation Category 2 - (H315)
Serious eye damage/eye irritation Category 2 - (H319)

Classification according to Directive 67/548/EEC or 1999/45/EC
Xi; R36
Xi; R38

2.2. Label elements

Symbols/Pictograms



Signal word

Warning



Hazard Statements	H315 - Causes skin irritation H319 - Causes serious eye irritation
Precautionary Statements	P280 - Wear protective gloves/protective clothing/eye protection/face protection P264 - Wash face, hands and any exposed skin thoroughly after handling P302 + P352 - IF ON SKIN: Wash with plenty of soap and water P332 + P313 - If skin irritation occurs: Get medical advice/attention P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P337 + P313 - If eye irritation persists: Get medical advice/attention

2.3. Other hazards

No information available

SECTION 3: Composition/information on ingredients**3.1 Substances**

Chemical Name	EC No	CAS No	Weight-%	Classification according to Directive 67/548/EEC or 1999/45/EC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Potassium sorbate	-	590-00-1	>98	Xi; R36 Xi; R38	Skin Irrit. 2 Eye Irrit. 2

SECTION 4: First aid measures**4.1. 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

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

Causes skin irritation. Causes serious eye irritation

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

Water (spray - not splash)
Dry extinguishing powder
Alcohol resistant foam
Carbon dioxide
Do not use water jet.

Unsuitable extinguishing media**5.2. Special hazards arising from the substance or mixture**

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

5.3. 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.

SECTION 6: Accidental release measures**6.1. 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

6.2. Environmental precautions

Avoid release to the environment

6.3. 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.
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.

6.4. Reference to other sections

See Section 7 for more information
See section 8 for more information
See section 13 for more information

SECTION 7: Handling and storage**7.1. 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.

7.2. 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.

7.3. Specific end use(s)

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

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

No data available.

Derived No Effect Level (DNEL)

No information available.

Predicted No Effect Concentration (PNEC)

No information available.

8.2. 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 \geq 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.

SECTION 9: Physical and chemical properties**9.1. 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

9.2. Other information

No information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

No information available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks. Incompatible materials.

10.5. Incompatible materials

Aluminium
Zinc
Tin

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide
Metal oxide fume

SECTION 11: Toxicological information

11.1. 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.

SECTION 12: Ecological information

12.1. Toxicity

No data available.

12.2. Persistence and degradability

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

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

No information available

SECTION 13: Disposal considerations

13.1. 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

SECTION 14: Transport information

14.1 UN Number Not regulated

14.2 Proper shipping name Not regulated

14.3 Hazard Class Not regulated

14.4 Packing Group Not regulated

14.5 Environmental hazards Non-marine pollutant

14.6 Special precautions No information available

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

SECTION 15: Regulatory information

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

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Take note of Directive 94/33/EC on the protection of young people at work

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

International Inventories

Component	TSCA	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
Potassium sorbate 590-00-1 (>98%)	X	X	-	X	X	X	X	-

"-" Not Listed

"X" Listed

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Issue Date 26-Feb-2015
Revision date 24-Feb-2017
Revision Note Not applicable

Key or legend to abbreviations and acronyms used in the safety data sheet

TWA - TWA (time-weighted average)

STEL - STEL (Short Term Exposure Limit)

Ceiling - Maximum limit value

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

Full text of H-Statements referred to under section 3

H315 - Causes skin irritation

H319 - Causes serious eye irritation

Full text of R-phrases referred to under sections 2 and 3

R36 - Irritating to eyes

R38 - Irritating to skin

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

----- End of Safety Data Sheet -----