

Safety Data Sheet



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

1.1 Production identifiers

Product name : POTASSIUM SORBATE
Brand : CJ Chemicals LLC
CAS # : 24634-61-5

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

Identified uses : Laboratory chemicals, synthesis of substances

1.3 Details of the supplier of the safety data sheet

Company : CJ Chemicals LLC
3469 E Grand River Rd #112
Howell, MI 48843
United States

Telephone : +1 (888) 274-1044

1.4 Emergency Telephone

Emergency Phone # : 1-800-424-9300 CHEMTREC (USA)
1-703-527-3887 CHEMTREC (international) 24 hours/day; 7 days/week

2. Hazards identification

GHS classification

Physical hazards Not classified
Health hazards Eye damage/irritation Category 2A
Environmental hazards Not classified

GHS label elements

Hazard Pictograms



Signal word Warning
Hazard statement Causes serious eye irritation.

Precautionary statement

Prevention Wash hand thoroughly after handling.
Wear eye protection/face protection

Response 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.

Storage Not applicable.
Disposal Not applicable.

3. Composition / Information on Ingredients

Components	CAS#	Percent
potassium sorbate	24634-61-5	100%

4. First Aid Measures

First aid procedures

Eye contact Rinse with running water whilst keeping the eyes wide open. (at least 15 minutes).

Skin contact	Remove all contaminated clothing and footwear. Wash with water. In case of inflammation (redness, irritation) obtain medical attention.
Inhalation	Move the person away from the contaminated area. Make the affected person rest.
Ingestion	NEVER attempt to induce vomiting. Rinse mouth out with water.
Notes to physician	Treat symptoms.

5. Fire Fighting Measure

Flammable properties	Product is combustible.
Extinguishing media	
Suitable extinguishing media	Preferably use: Water spray, Powders, Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Not available.
Hazardous combustion products	On combustion or on thermal decomposition (pyrolysis) releases: toxic vapours. (Phenol). (Carbon oxides (CO + CO ₂)).
Firefighting equipment/instructions	Firefighters must wear fire resistant protective equipment. Wear self contained breathing apparatus and protective gloves.

6. Accidental Release Measures

Personal precautions	Avoid contact with eyes. Do not breathe dust. Do not approach from downwind. Prevent any contact with hot surfaces.
Environmental precautions	Avoid disposing into drainage/sewer system or directly into the aquatic environment.
Methods for cleaning up	Recovery: Recover as much of the product as possible. Vacuum up the product. Collect up the spilled product and place it in a spare container: suitably labelled. Keep the recovered product for subsequent disposal. Cleaning/Decontamination: Spray all the contaminated area with large amounts of water.

7. Handling and Storage

Handling	Avoid contact with moisture/humidity. Avoid the formation or spread of dust in the atmosphere. Avoid the build-up of electrostatic charge. Avoid contact with hot surfaces. Comply with instructions for use (refer to technical sheet). Do NOT handle in the presence of humidity.
Storage	Recommended : To guarantee the quality and properties of the product keep: Protected from light. The container tightly closed and dry. In a designated area. Storage conditions Incompatible products: Alkalis and caustic products. Packaging: - Polyethylene liner inside a fibre-board drum. For small quantities: - Plastic bottles. - Glass bottles. Packaging materials Recommended: Polyethylene. Tinted glass. Not suitable: Aluminium and its alloys.

8. Exposure Controls / Personal Protection

Control parameters:

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA: Not Available

EMERGENCY LIMITS:

Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3
potassium sorbate	potassium sorbate	Not Available	Not Available	Not Available

Ingredient	Original IDLH	Revised IDLH
Potassium sorbate	Not Available	Not Available

Exposure controls:

Appropriate engineering controls: Use in a well-ventilated area.

Individual protection measures, such as personal protective equipment:

Eye / face protection Safety spectacles.

Skin protection Impermeable protective gloves. Protective clothing.

Respiratory protection Handling dry powder in bulk: Half-mask.

General hygiene considerations Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing.

9. Physical & Chemical Properties

Appearance

Physical state Solid

Form White granular, crystalline powder, or pellets.

Color White

Odor Odorless

Odor threshold Not available

pH 7-8

Vapor pressure Not available

Vapor density Not available

Boiling point Not available

Melting point/Freezing point 270 (decompose)

Solubility (water) Slightly soluble in alcohol, 67.6 g dissolves in 100ml of water at 20.

Partition coefficient Not available

Specific gravity Not available

Bulk density Not available

Density 1.36g/cm³(20°C)

Flash point Not available

Flammability limits in air, upper, %by volume Not available

Flammability limits in air, lower, % by volume Not available

Auto-ignition temperature Not available

Molecular formula C₆H₇O₂K

Molecular weight 150.22

Other data

Viscosity Not available

Decomposition temperature Not available

Flammability (solid, gas) Non flammable

10. Chemical Stability & Reactivity Information

Material name: Potassium sorbate
 Version #: 1.0 Revision date: 01-11-2018. Issue date: 01-11-2018.

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Incompatible materials. Above 100°C.
Incompatible materials	Strong bases. Aluminum.
Hazardous decomposition products	On combustion or on thermal decomposition (pyrolysis) releases: toxic vapours. (Phenol). (Carbon oxides (CO + CO ₂)).
Possibility of hazardous reactions	No dangerous reactions known.

11. Toxicological Information

Toxicokinetics, metabolism and distribution:

Non-human toxicological data: Not available

Information on toxicological effects:

Acute toxicity:

LD50(Oral, Rat):	4920 mg/kg large mouse by mouth
LD50(Dermal, Rat):	Not available
LC50(Inhalation, Rat):	Not available
Skin corrosion/Irritation:	Not classified
Serious eye damage/irritation:	Causes serious eye irritation.
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified.
STOT- single exposure:	Not classified
STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified

12. Ecological Information

Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	N/A	N/A	Fish	OECD 203	N/A	N/A
EC50	N/A	N/A	Daphnia	OECD 202	N/A	N/A
EC50	N/A	N/A	Algae	OECD 201	N/A	N/A

Persistence and degradability:	Readily biodegradable
Bioaccumulative potential:	Not available.
Mobility in soil:	LogKoc=3.438
Results of PBT&vPvB assessment:	The substance is not PBT / vPvB.
Other adverse effects:	No known significant effects or critical hazards.

13. Disposal Considerations

Disposal instructions	Dispose of contents/container in accordance with local/regional/national/international regulations.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

DOT

Basic shipping requirements:

UN number Not regulated
Proper shipping name Not regulated
Hazard class Not regulated
Packing group Not regulated
Environmental hazards No

IATA

UN number Not regulated
UN proper shipping name Not regulated
Transport hazard class(es) Not regulated
Packing group Not regulated

IMDG

UN number Not regulated
UN proper shipping name Not regulated
Transport hazard class(es) Not regulated
Packing group Not regulated
Environmental hazards No

15. Regulatory Information**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

vanillin(121-33-5) is found on the following regulatory lists	"US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory"
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16. Other Information

HMIS® ratings Health: 1
 Flammability: 1
 Physical hazard: 0

NFPA ratings Health: 1
 Flammability: 1
 Instability: 0

Disclaimer The information in the sheet was written based on the best knowledge and experience currently available.

Issue date 01-11-2018