

# Safety Data Sheet

Ningbo Wanglong Tech Co.,Ltd.

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HMIS	
H	1
F	0
R	0
PPE†	
†Sec. 8	

Potassium Sorbate

## Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** Potassium Sorbate

**Chemical Formula:** C<sub>6</sub>H<sub>7</sub>KO<sub>2</sub>

**CAS Number:** 24634-61-5

**Other Designations:** Potassium 2,4-hexadienoate; Sorbic acid potassium salt

**General Use:** A preservative inhibiting the growth of yeasts, moulds and some bacteria in a wide range of food, beverage, pharmaceutical and cosmetic products.

**Emergency Telephone:** (ChemTel) Contract MIS0000335; 800 255-3924; INTL 813 248-0585

## Section 3 - Composition / Information on Ingredients

Ingredient Name	CAS Number	EINECS/ELINCS	% wt or % vol
Potassium Sorbate	24634-61-5	246-376-1	99

**Appearance/General Info: General Use:**

INGREDIENT(s)	OSHA PEL	ACGIH TLV	NIOSH REL	IDLH
Potassium Sorbate	None estab.	None estab.	None estab.	None estab.

## Section 2 - Hazards Identification

### ☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Very light beige powder/granules. Mild acrid odor. May cause irritation to eyes/respiratory tract.  
Will burn.

**Extinguishing agents:** water spray, carbon dioxide, dry chemical powder, or appropriate foam.

## Potential Health Effects

**Target Organs:** eyes, skin, respiratory system

**Primary Entry Routes:** inhalation of generated dust and skin contact

### HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Skin irritation (Category 2), H315

Eye irritation (Category 2A), H319

Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

**GHS Label elements, including precautionary statements**

Pictogram



Signal word

Warning

### Hazard statement(s)

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

### Precautionary statement(s)

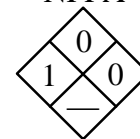
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ eye protection/ face protection.

NFPA



P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
 P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P312 Call a POISON CENTER or doctor/ physician if you feel unwell.  
 P321 Specific treatment (see supplemental first aid instructions 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 and wash before reuse.  
 P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P405 Store locked up.  
 P501 Dispose of contents/ container to an approved waste disposal plant.  
**Hazards not otherwise classified (HNOC) or not covered by GHS - none**

**Eye:** Causes eye irritation. May cause chemical conjunctivitis.

**Skin:** Causes skin irritation. May cause dermatitis.

**Ingestion:** Low hazard for usual industrial handling.

**Inhalation:** May cause respiratory tract irritation.

**Chronic:** Prolonged or repeated skin contact may cause dermatitis.

**Carcinogenicity:** IARC, NTP, ACGIH, OSHA or CA Prop 65 do not list Potassium sorbate as a carcinogen.

**Medical Conditions Aggravated by Long-Term Exposure:**

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Potassium Sorbate	None estab.	None estab.	None estab.	None estab.

### Section 4 - First Aid Measures

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**Skin:** Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

**Ingestion:** Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

**Inhalation:** Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation.

*After first aid, get appropriate in-plant, paramedic, or community medical support.*

**Note to Physicians:** Treat symptomatically and supportively.

### Section 5 - Fire-Fighting Measures

**Flash Point:** Not Available

**Autoignition Temperature:** Not applicable

**LEL:** Not Available

**UEL:** Not Available

**NFPA Rating:**

**Flammability Classification:** Slight fire hazard when exposed to heat or flame.

**Extinguishing Media:** Water spray or fog. Foam. Dry chemical powder. BCF (where regulations permit). Carbon dioxide.

**Unusual Fire or Explosion Hazards:** Avoid generating dust, particularly clouds of dust in a confined or unventilated space, as dust may form an explosive mixture with air and any source of ignition, e.g., flame or spark, will cause fire or explosion.

**Hazardous Combustion Products:** May emit acrid smoke.

**Fire-Fighting Instructions:** Do not release runoff from fire control methods to sewers or waterways.

**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face-piece operated in pressure-demand or positive-pressure mode.

## Section 6 - Accidental Release Measures

**Spill /Leak Procedures:** Eliminate all ignition sources. Ventilate area.

**Small Spills:** Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section.

### Large Spills

**Containment:** For large spills, dike far ahead of spill for later disposal. Do not release into sewers or waterways.

**Cleanup:** Avoid generating dusty conditions. Provide ventilation.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

## Section 7 - Handling and Storage

**Handling Precautions:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

**Storage Requirements:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

## Section 8 - Exposure Controls / Personal Protection

### Engineering Controls:

**Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

### Administrative Controls:

**Respiratory Protection:** Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA.

*Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.* If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

**Protective Clothing/Equipment:** Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**Contaminated Equipment:** Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

## Section 9 - Physical and Chemical Properties

**Physical State:** granules/powder/prill

**Appearance:** very light beige

**Odor:** Characteristic odor

**pH:** Not available.

**Vapor Pressure:** Not available.

**Vapor Density:** Not available.

**Evaporation Rate:** Not available.

**Viscosity:** Not available.

**Boiling Point:** Not available.

**Freezing/Melting Point:** 270 °C

**Decomposition Temperature:** > 270 °C

**Solubility:** 58.2 % (20 c)

**Specific Gravity/Density:** 1.363 g/mL

**Molecular Formula:** C<sub>6</sub>H<sub>7</sub>KO<sub>2</sub>

**Molecular Weight:** 150.22

## Section 10 - Stability and Reactivity

**Stability:** Potassium Sorbate is stable at room temperature in closed container under normal storage and handling conditions.

**Polymerization:** Hazardous polymerization will not occur.

**Chemical Incompatibilities:** Incompatible with oxidizing agents.

**Conditions to Avoid:** Ignition sources, dust generation, excess heat, strong oxidants.

**Hazardous Decomposition Products:** Thermal oxidative decomposition of Potassium sorbate can produce carbon monoxide and carbon dioxide.

## Section 11- Toxicological Information

### Toxicity Data:\*

#### Toxicity Irritation

Oral (rat) LD<sub>50</sub>: 4340 mg/kg

Oral (mouse) LD<sub>50</sub>: 3800 mg/kg

Epidemiology: No information available.

Teratogenicity: No information available.

Reproductive Effects: No information available.

Neurotoxicity: No information available.

Mutagenicity: No information available.

\* See NIOSH, RTECS(WG2160000), for additional toxicity data.

## Section 12 - Ecological Information

**Ecotoxicity:** No data available.

**Environmental:**

**Physical:** No information found.

## Section 13 - Disposal Considerations

**Disposal:** Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

**Disposal Regulatory Requirements:**

**Container Cleaning and Disposal:**

## Section 14 - Transport Information

### Not regulated for transportation

**US DOT**(49 CFR 172.101):

PSN:

Hazard Class:

UN Number:

Packing Group:

**IATA**

PSN:

Hazard Class:

UN Number:

Packing Group:

**IDG**

PSN:

Hazard Class:

UN Number:

Packing Group:

**IMDG/IMO**

PSN:

Hazard Class:

UN Number:

Packing Group:

## Section 15 - Regulatory Information

### US FEDERAL

#### TSCA

CAS# 24634-61-5 is listed on the TSCA inventory.

#### Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

#### Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

#### Section 12b

None of the chemicals are listed under TSCA Section 12b.

#### TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

#### CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

#### SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

**Section 313** No chemicals are reportable under Section 313.

#### Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depletors.

This material does not contain any Class 2 Ozone depletors.

**Clean Water Act:**

None of the chemicals in this product are listed as Hazardous Substances under the CWA.  
None of the chemicals in this product are listed as Priority Pollutants under the CWA.  
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

**OSHA:**

None of the chemicals in this product are considered highly hazardous by OSHA.

**STATE**

CAS# 24634-61-5 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

**California Prop 65**

California No Significant Risk Level: None of the chemicals in this product are listed.

**European/International Regulations****European Labeling in Accordance with EC Directives****Hazard Symbols:**

Not available.

**Risk Phrases:****Safety Phrases:**

S 24/25 Avoid contact with skin and eyes.

**WGK (Water Danger/Protection)**

CAS# 24634-61-5: No information available.

**Canada - DSL/NDSL**

CAS# 24634-61-5 is listed on Canada's DSL List.

**Canada - WHMIS**

WHMIS: Not available.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

**Canadian Ingredient Disclosure List.****Section 16 - Other Information**

**Disclaimer:** All information, recommendations and suggestions appearing herein are based upon sources believed to be reliable: However, it is the users responsibility to determine the safety, toxicity and suitability for its own use of this product. WEGO CHEMICAL & MINERAL CORP. DOES NOT ASSUME ANY LIABILITY ARISING OUT OF THE USE BY OTHERS OF THIS PRODUCT.