

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING**

- 1.1 Product Identifier:**  
**Trade Name** Potassium Sorbate FCC/NF  
**INCI Name** Potassium Sorbate
- 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:**  
**Product Use:** Active ingredient in cosmetic and personal care applications
- 1.3 Details of the Supplier of the Safety Data Sheet:**  
**Manufacturer:** TRI-K INDUSTRIES, INC.  
2 Stewart Court  
Denville, NJ 07834  
**Information Phone Number:** (973) 298-8850  
**E-mail** info@tri-k.com
- 1.4 Emergency Telephone Number:**  
**Emergency Spill Information** (973) 298-8850 (TRI-K Industries, Inc.)  
(800) 222-1222 (National Poison Control Center)

**SDS Date of Preparation:** February 10, 2012

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the Substance or Mixture**

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

Skin Irritation: Category 2, H315

Eye Irritation: Category 2, H319

**GHS Label Elements including Precautionary Statements:**



Signal Words: Warning

Hazard Phrases: H315

Precautionary Phrases: P262, P301 & P352

**Classification according to Directive 1999/45/EC [DPD]:**

Xi; R36/38

S24/25

**2.2 Label Elements: Labeling according to Regulation (EC) No 1272/2008 [CLP]**

Not applicable

Hazard Statement: Not applicable

Precautionary Statement: Not applicable

**2.3 Other Hazards: None**

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS#	EINECS#	DSD Classification (67/548/EEC)	CLP Classification (EC) No 1272/2008	%
Potassium Sorbate	24634-61-5 / 590-00-1	246-376-1	Xi; R36/38	H315; H319; GHS07	100%

**Additional information:** For full text of H-statements and R-phrases: see SECTION 16

**SECTION 4: FIRST AID MEASURES**

**4.1 Description of First Aid Measures:**

**Eye Contact:** Wash eyes immediately with large amounts of water. Get medical attention.

**Skin Contact:** Remove contaminated clothing immediately. Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains. Get medical attention if irritation occurs.

**Inhalation:** Remove to fresh air and get medical attention.

**Ingestion:** Contact the local poison control center or physician immediately. Drink large amounts of water.

**4.2 Most Important symptoms and effects, both acute and delayed:**

Swallowing may cause nausea or abdominal discomfort.

**SECTION 5: FIRE FIGHTING MEASURES**

**5.1 Suitable Extinguishing Media:**

Use CO2 or H2O extinguishers applied by the manufacturer's instructions.

**5.2 Special Hazards Arising from the Substance or Mixture:**

**Unusual Fire and Explosion Hazards:** None known

**Hazardous Decomposition Products:** Burning can produce smoke, carbon monoxide, and carbon dioxide.

**5.3 Advice for Fire-Fighters:**

**Special Fire Fighting Procedures:**

Exercise caution when fighting any chemical fire. Use NOISH approved self-contained breathing apparatus with a full face piece and protective clothing.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal Precautions, Protective Equipment and Emergency Procedures:**

Use mask for dusts and eye/face protection. Ensure adequate ventilation. Avoid all possible sources of ignition (halogen, sparks, flame, etc...). Transfer used material to a suitable waste container and dispose of in accordance with local regulation.

**6.2 Environmental Precautions:**

Non-hazardous, but avoid direct releases to the environment.

**6.3 Methods and Material for Containment and Cleaning Up:**

Sweep up and put into a waste container. Wash residue from spill area with water containing detergent and flush to a sewer serviced by a permitted wastewater treatment facility. Observe all government regulations.

**6.4 Reference to Other Sections:**

Refer to Section 8 for protective equipment and Section 13 for disposal considerations.

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for Safe Handling:**

Keep working place well ventilated; no special precautions are needed under normal use conditions.

**7.2 Conditions for Safe Storage, Including any Incompatibilities:**

Store in the original closed containers under dry conditions. Avoid exposure to sunlight for prolonged periods. Exposure to light and heat should be avoided. Paper, cloth and other

absorbent materials soaked with sorbates may ignite spontaneously so these substances should be kept away from cellulosic materials.

**7.3 Specific end use(s):**

Ingredient in cosmetic and personal care preparations

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control Parameters:**

Chemical Name	8.1.1 Occupational Exposure Limits:	8.1.2 Additional exposure limits under the conditions of use:	8.1.3 DNEL/DMEL and PNEC-Values:
Potassium Sorbate	No limits established	Not available	Not available

**8.2 Exposure Controls:**

**8.2.1 Appropriate Engineering Controls:** Provide exhaust ventilation. Other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value

**8.2.2 Individual protection measures, such as personal protective equipment:**

**Eye/face protection:** Chemical goggles with side splash protection recommended.

**Hand Protection:** Wear synthetic protective gloves.

**Respiratory Protection:** If vapors or mists are generated, wear a NOISH approved organic vapor/mist respirator.

**Other:** An eye wash facility should be available in the work area. Employees must practice good personal hygiene, washing exposed areas of the skin several times daily. Launder contaminated clothing before re-use.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic Physical and Chemical Properties:**

<b>Appearance</b> White Granular	<b>Vapor Density:</b> Not applicable
<b>Odor:</b> Odorless	<b>Specific Gravity:</b> 1.363
<b>Odor Threshold:</b> N/A	<b>Water Solubility:</b> 58.2% (20°C )
<b>pH:</b> Not Determined	<b>Octanol/Water Partition Coefficient:</b> Not available
<b>Melting Point:</b> ~ 270°C	<b>Auto-ignition Temperature:</b> Not determined

<b>Boiling Point:</b> Not Determined	<b>Decomposition Temperature:</b> Not available
<b>Flash Point (COC):</b> > 100°C	<b>Viscosity (cP):</b> Not determined
<b>Evaporation Rate:</b> Not determined	<b>Explosion Properties:</b> Not available
<b>Flammable Limits:</b> Not determined	<b>Oxidizing Properties:</b> Not determined
<b>Vapor Pressure:</b> Not applicable	<b>% Volatile:</b> Not applicable

**9.2 Other Information:**

None

**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity:**

Not reactive under normal conditions of use.

**10.2 Chemical Stability:**

Stable under normal conditions of use.

**10.3 Possibility of Hazardous Reactions:**

None known

**10.4 Conditions to Avoid:**

Gross bacterial contamination, heat, flames, sparks, and other sources of ignition.

**10.5 Incompatible Materials:**

Avoid metals, oxidizing materials, and moisture.

**10.6 Hazardous Decomposition Products:**

Burning can produce smoke, CO, CO<sub>2</sub>, and other products of incomplete combustion

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on Toxicological Effects:**

**Eye Contact:** Dust may cause mild irritation.

**Skin Contact:** May cause skin irritation.

**Inhalation:** Dust may cause respiratory tract irritation.

**Ingestion:** Excessive ingestion may cause mild nausea or abdominal discomfort.

**Acute Toxicity Values**

**Oral:** Not Determined.

**Repeat Dose Toxicity:** No chronic toxicity is known.

**Carcinogenicity:** No data available.

**Mutagenicity:** No data available.

**Toxicity for reproduction:** Not expected to affect reproduction or development.

**SECTION 12: ECOLOGICAL INFORMATION**

- 12.1 Toxicity:** No ecotoxicity data available  
**Acute (short-term) toxicity:** N/A  
**Fish:** N/A  
**Crustacea:** N/A  
**Algae/aquatic plants:** N/A  
**Other organisms:** N/A  
**Chronic (long-term) toxicity:** N/A  
**Fish:** N/A
- 12.2 Persistence and Degradability:**  
 No degradability data available
- 12.3 Bioaccumulative Potential:**  
 Not determined
- 12.4 Mobility in Soil:**  
 Not determined.
- 12.5 Results of PBT and vPvB Assessment:**  
 Not required.
- 12.6 Other Adverse Effects:**  
 None known.

**SECTION 13: DISPOSAL CONSIDERATIONS**

- 13.1 Waste Treatment Methods:**  
 Small amounts may be flushed to sewer. Otherwise, dispose in accordance with local, state, and federal environmental regulations.

**SECTION 14: TRANSPORT INFORMATION**

	US DOT	EU land transport (ADR/RID/ADN)	Sea Transport (IMDG)	Air Transport (ICAO/IATA)
<b>14.1 UN Number</b>				
<b>14.2</b>	Not regulated	Not regulated	Not regulated	Not regulated

<b>UN Proper Shipping Name</b>				
<b>14.3 Transport Hazard Class(s)</b>				
<b>14.4 Packing Group</b>				
<b>14.5 Environmental Hazards</b>	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.6 Special Precautions for user</b>	None	None	None	None
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable	Not applicable	Not applicable	Not applicable

**SECTION 15: REGULATORY INFORMATION**

**REGULATION (EC) No 850/2004 - Persistent organic pollutants:** This product does not contain any chemicals regulated under EC 850/2004.

**REGULATION (EC) No 689/2008 – Concerning the export and import of dangerous chemicals:** This product does not contain any chemicals regulated under EC 689/2008.

**15.1 Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:**

<b>EU EINECS/ELINCS/NLP:</b>	The substance is listed in the European Inventory of Existing Commercial Chemical Substances.
<b>Canada DSL/NDSL:</b>	The substance is specified on the Canadian Domestic Substances List.
<b>US TSCA:</b>	The substance is listed on the United States TSCA
<b>China IECSC:</b>	The substance is listed on the Republic of China's Inventory of Existing Chemicals and Substances.
<b>New Zealand</b>	Listed
<b>Philippine PICCS:</b>	The substance is listed on the Philippine Inventory of Chemicals and Chemical Substances.
<b>Taiwan</b>	Listed
<b>Australia AICS:</b>	The substance is listed on the Australian Inventory of Chemical Substances

**15.2 Chemical Safety Assessment:**  
Not required.

**SECTION 16: OTHER INFORMATION**

**16.1 Indication of Changes**

2/10/12: Converted SDS to CLP format. All sections revised.  
3/2/12: Updated Section 2.  
5/12/15: Updated format.  
8/30/2018: Global Regulatory

**16.2 GHS Phrases for Reference (See Section 2 and 3):**

Hazard Statements:

H315: Causes skin irritation.

H319: Causes serious eye irritation.

Precautionary Statements:

P262: Do not get in eyes, on skin, or on clothing.

P301 & P352: IF ON SKIN: Wash with plenty of soap and water.

**16.3 EU Classes and Risk Phrases for Reference (See Sections 2 and 3):**

Symbol(s): Xi: Irritant

R-phrases: 36/38: Irritating to eyes and skin.

S-phrases: 24/25: Avoid contact with skin and eyes.

**16.4 Legal Disclaimer**

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