SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name: Potassium Sorbate
Product Code: MP016
CAS No: 24634-61
EC No: 246-376

Relevant identified uses of the substance:
Preserving / antioxidants used in food processing industry.

Details of the supplier of the safety data sheet.
Brand: APAC
Company: APAC Chemical Corporation
150 N. Santa Anita Ave, Suite 850, Arcadia, CA, 91006 U.S.A
Emergency Contact: 626 203 0066

2. HAZARDS IDENTIFICATION
Classification of the substance or mixture
According to Regulation (EC) No1272/2008
Skin irritation (Category 2)
Eye irritation (Category 2)
Specific target organ toxicity - single exposure (Category 3)

Label elements

Pictogram
Signal words: 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.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: 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.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Rev. 5/26/15
Hazard symbol(s) Xi Irritant
R-phrase(s)
R36/37/38 Irritating to eyes, respiratory system and skin. S-phrase(s)
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Other hazards - none

3. COMPOSITION/INFORMATION ON INGREDIENTS
Chemical Name: potassium (E,E)-hexa-2,4-dienoate
Substance Name: Potassium sorbate
Synonyms : 2,4-Hexadienoic acidpotassium salt
Sorbic acidpotassium salt

Formula : C6H7KO2
Molecular Weight : 150.22 g/mol
CAS-No. EC-No. Index-No. Classification Concentration
Potassium (E,E)-hexa-2,4-dienoate
24634-61-5 246-376-1 - Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335
Xi, R36/37/38
For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIRE-FIGHTING MEASURES
Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters
Wear self contained breathing apparatus for fire fighting if necessary.

Media not appropriate: N/A

6. ACCIDENTAL RELEASE MEASURES Personal precautions
Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions
Do not let product enter drains.

Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage
Keep container tightly closed in a dry and well-ventilated place. Store in cool place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Respiratory protection
For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove’s outer surface) to avoid skin contact with this
product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Eye protection**
Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin and body protection**
Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Hygiene measures**
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES Appearance

Form Beads
Colour light yellow

**Safety data**
Appearance: Granulate white.
Odour: odourless
Odour threshold: N.A./N.A.
P.H: 8 - 11
Melting point: 270 °C
Boiling Point: N.A./N.A.
Flash point: 180 °C
Evaporation velocity: N.A./N.A.
Inflammability (solid, gas): N.A./N.A.
Lower Explosive Limit: N.A./N.A.
Upper Explosive Limit: N.A./N.A.
Vapour pressure: N.A./N.A.
Vapour density: N.A./N.A.
Relative density: 1.36 gr/cm3
Solubility: N.A./N.A.
Liposolubility: N.A./N.A.
Hydrosolubility: 1400 g/l
Partition coefficient (n-octanol/water): N.A./N.A.
Auto-ignition temperature: 150ºC
Decomposition temperature: N.A./N.A.
Viscosity: N.A./N.A.
Explosive properties: N.A./N.A.
Oxidizing properties: N.A./N.A.
N.A./N.A.= Not Available/Not Applicable due to the nature of the product

10. STABILITY AND REACTIVITY
Reactivity.
The product does not present hazards by their reactivity.

Chemical stability.
Stable under the recommended handling and storage conditions (see section 7).

Possibility of hazardous reactions.
The product does not present possibility of hazardous reactions.

Conditions to avoid.
Avoid temperatures near or above the flash point. Do not heat closed containers.

Incompatible materials.
Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

11. TOXICOLOGICAL INFORMATION

Acute toxicity
no data available

Skin corrosion/irritation
no data available

Serious eye damage/eye irritation
no data available

Respiratory or skin sensitization
no data available

Germ cell mutagenicity
Genotoxicity in vitro - Hamster – fibroblast
Cytogenetic analysis
Carcinogenicity
IARC: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity**
No data available

**Specific target organ toxicity - single exposure**
Inhalation - May cause respiratory irritation.

**Specific target organ toxicity - repeated exposure**
No data available

**Aspiration hazards**
No data available

**Potential health effects**

**Inhalation** May be harmful if inhaled. Causes respiratory tract irritation.

**Ingestion** May be harmful if swallowed.

**Skin** May be harmful if absorbed through skin. Causes skin irritation.

**Eyes** Causes serious eye irritation.

**Signs and Symptoms of Exposure**
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Additional Information**
RTECS: WG2170000

**12. ECOLOGICAL INFORMATION**

**Toxicity**
No data available

**Persistence and degradability**
No data available

**Bioaccumulative potential**
No data available

**Mobility in soil**
No data available

**PBT and vPvB assessment**
No data available

**Other adverse effects**
No data available

### 13. DISPOSAL CONSIDERATIONS

**Product**
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging**
Dispose of as unused product.

### 14. TRANSPORT INFORMATION

**ADR/RID**
Not dangerous goods

**IMDG**
Not dangerous goods

**IATA**
Not dangerous goods

### 15. REGULATORY INFORMATION

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

### 16. OTHER INFORMATION

Text of H-code(s) and R-phrase(s) mentioned in Section 3
Eye Irrit. Eye irritation
H315 Causes skin irritation.
H319 Causes serious eye irritation. H335 May cause respiratory irritation. Skin Irrit. Skin irritation
STOT SE Specific target organ toxicity - single exposure
Xi Irritant
R36/37/38 Irritating to eyes, respiratory system and skin.