SAFETY DATA SHEET
1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
Product name : Potassium Sorbate
Brand : APAC
Company : APAC Chemical Corporation
150 N. Santa Anita Ave, Suite 850, Arcadia, CA, 91006 U.S.A

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) According to European Directive 67/548/EEC as amended. Irritating to eyes, respiratory system and skin.
Label elements

Pictogram
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.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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
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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.

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/PERSOAL 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
pH: 8.0 - 11.0 at 580 g/l at 20 °C
Melting point: 210 °C - Decomposes on heating. Boiling point: no data available
Flash point: no data available
Ignition temperature: > 150 °C -
Lower explosion limit: no data available
Upper explosion limit: no data available
Density: 1.360 g/cm³ at 20 °C
Water solubility: 1.400 g/l at 20 °C - slightly soluble
Solubility: 1 g/l at 20 °C Ethanol

10. STABILITY AND REACTIVITY

Chemical stability
Stable under recommended storage conditions.

Conditions to avoid: no data available

Materials to avoid
Strong oxidizing agents
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Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Potassium oxides

Thermal decomposition
210 °C

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
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.