

## POTASSIUM SORBATE (GRANULAR), AR GRADE

### SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

**Product Name:** POTASSIUM SORBATE (GRANULAR), AR GRADE  
**Product Code:** 405  
**CAS#:** 24634-61-5  
**Synonym:** Not available  
**Chemical Name:** Not available  
**Chemical Formula:** C<sub>6</sub>H<sub>7</sub>KO<sub>2</sub>  
**Molecular weight:** 150.22

### SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

**Composition:**  
**Name:** POTASSIUM SORBATE (GRANULAR), AR GRADE  
**Chemical Formula:** C<sub>6</sub>H<sub>7</sub>KO<sub>2</sub>  
**Molecular weight:** 150.22

### SECTION 3: HAZARDS IDENTIFICATION

**Classification of the substance or mixture:**  
**Classification according to Regulation (EC) No 1272/2008:** Eye irritation (Category 2), H319  
**Other hazards:** This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher

### SECTION 4: FIRST AID MEASURES

**Description of 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:** Flush eyes with water as a precaution.  
**If swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.  
**Most important symptoms and effects, both acute and delay:** No data available  
**Indication of any immediate medical attention and special treatment needed:** No data available

### SECTION 5: FIRE AND EXPLOSION DATA

**Extinguishing media**  
**Suitable extinguishing media:** Water Foam Carbon dioxide (CO<sub>2</sub>) Dry powder  
**Unsuitable extinguishing media:** For this substance/mixture no limitations of extinguishing agents are given.  
**Special hazards arising from the substance or mixture:** Carbon oxides Potassium oxides Combustible  
**Advice for firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. 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.

## SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling :** Not available

**Conditions for safe storage, including any incompatibilities:** Keep container tightly closed in a dry and well-ventilated place.

**Storage Class:** Not Available.

**Specific end use(s) A part from the uses:** No other specific uses are stipulated.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure controls:**

**Appropriate engineering controls:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Personal protective equipment:**

**Eye/face 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 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.

**Body Protection:** protective clothing.

**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).

**Control of environmental exposure:** Do not let product enter drains.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance Form</b>	: Creamish color granules
<b>Colour</b>	: Not available
<b>Odour</b>	: Not available
<b>Odour Threshold</b>	: Not available
<b>pH</b>	: Not available
<b>Melting point/freezing point</b>	: Not available
<b>Initial boiling point and boiling range</b>	: Not available
<b>Flash point</b>	: Not available
<b>Evaporation rate</b>	: Not available
<b>Flammability (solid, gas)</b>	: Not available
<b>Upper/lower flammability or explosive limits</b>	: Not available
<b>Vapour pressure</b>	: Not available
<b>Vapour density</b>	: Not available
<b>Relative density</b>	: Not available
<b>Water solubility</b>	: Not available
<b>Partition coefficient</b>	: Not available
<b>Auto-ignition temperature</b>	: Not available
<b>Solubility</b>	: Not available

## SECTION 10: STABILITY AND REACTIVITY DATA

**Reactivity:** The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.



**Chemical stability:** The product is chemically stable under standard ambient conditions (room temperature).

**Possibility of hazardous reactions:** Violent reactions possible with: Oxidizing agents Aluminum Zinc Tin

**Conditions to avoid :** Not available.

**Incompatible materials:** Not available

**Hazardous decomposition products Other decomposition products:** In the event of fire

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on toxicological effects

**Acute Toxicity:** LD50 Oral - Rat - male and female - > 10.500 mg/kg

LD50 Dermal - Rat - male and female - > 2.000 mg/kg

**Skin corrosion/irritation:** Skin - Rabbit Result: No skin irritation - 4 h

**Serious eye damage/eye irritation:** Eyes - Rabbit Result: Eye irritation (OECD Test Guideline 405) Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)

**Respiratory or skin sensitization:** Not available

**Carcinogenicity:** Not available

## SECTION 12: ECOLOGICAL INFORMATION

**Toxicity:** Toxicity to fish static test LC50 - Danio rerio (zebra fish) - > 1.000 mg/l - 96 h

Toxicity to bacteria static test EC50 - activated sludge - > 100 mg/l - 72 h

**Persistence and degradability:** Biodegradability aerobic - Exposure time 28 d Result: 74,9 % - Readily biodegradable. (OECD Test Guideline 301D)

**Bio accumulative potential :**Not available

**Mobility in soil:** Not available

**Results of PBT and vPvB assessment PBT/vPvB assessment:** This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher

**Other adverse effects:** Not available

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste treatment methods:** Product Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

## SECTION 14: TRANSPORT INFORMATION

**UN number:**

**ADR/RID:**

**IMDG:**

**IATA:**

**UN proper shipping name**

**ADR/RID:** Not dangerous goods

**IMDG:** Not dangerous goods

**IATA:** Not dangerous goods

**Transport hazard class(es)**

**ADR/RID:**

**IMDG:**

**IATA:**

**Packaging group:**

**ADR/RID:**

**IMDG:**

**IATA:**

**Environmental hazards:**

**ADR/RID:** No

**IMDG Marine pollutant:** No

**IATA:** No



### **SECTION 15: OTHER REGULATORY INFORMATION**

**Safety, health and environmental regulations/legislation specific for the substance or mixture:** This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Other regulations:** Take note of Dir 94/33/EC on the protection of young people at work.

### **SECTION 16: OTHER INFORMATION**

**References: Full text of H AND R-Statements.**

H319 Causes serious eye irritation.

**Special Considerations:** Not available

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