

## Safety Data Sheet

### POTASSIUM SORBATE SOLID

Version 1.2

Revision Date: 04/16/2024

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** : POTASSIUM SORBATE SOLID

**Recommended use of the chemical and restrictions on use**

Recommended use : Industrial Chemical

**Manufacturer or supplier's details**

**Company** : Univar Solutions USA  
**Address** : 3075 Highland Pkwy Suite 200  
Downers Grove, IL 60515  
United States of America (USA)

**Emergency telephone number:**

Transport North America: CHEMTREC (1-800-424-9300)

CHEMTREC INTERNATIONAL Tel # 703-527-3887

**Additional Information:** : Responsible Party: Product Compliance Department  
E-mail: SDSNA@univarsolutions.com  
SDS Requests: 1-855-429-2661  
Website: www.univarsolutions.com

#### SECTION 2. HAZARDS IDENTIFICATION

**GHS Classification**

Skin irritation : Category 2

Eye irritation : Category 2A

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

**GHS label elements**

Hazard pictograms :



Signal word : Warning

Hazard statements : H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

Precautionary statements : **Prevention:**  
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.  
**Response:**  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P304 + P340 + P312 IF INHALED: Remove person to fresh air  
and keep comfortable for breathing. Call a POISON CENTER/  
doctor if you feel unwell.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water

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for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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.

#### Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

#### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

#### Other hazards

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Hazardous components

| CAS-No.    | Chemical name                        | Weight percent |
|------------|--------------------------------------|----------------|
| 24634-61-5 | 2,4-Hexadienoic acid, potassium salt | 90 - 100       |
| 590-00-1   | POTASSIUM SORBATE                    | 90 - 100       |

Actual concentration is withheld as a trade secret

Any Concentration shown as a range is due to batch variation.

### SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.  
Move to fresh air.  
If not breathing, give artificial respiration.  
If breathing is difficult, give oxygen.
- In case of skin contact : If skin irritation persists, call a physician.  
Wash off immediately with plenty of water for at least 15 minutes.  
If on clothes, remove clothes.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.

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Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Do not induce vomiting without medical advice.  
If accidentally swallowed obtain immediate medical attention.

**SECTION 5. FIREFIGHTING MEASURES**

- |                                               |   |                                                                                                                                                   |
|-----------------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media                  | : | Foam<br>Dry powder<br>Carbon dioxide (CO <sub>2</sub> )                                                                                           |
| Unsuitable extinguishing media                | : | High volume water jet                                                                                                                             |
| Hazardous combustion products                 | : | Carbon oxides<br>toxic fumes                                                                                                                      |
| Further information                           | : | Standard procedure for chemical fires.<br>Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Special protective equipment 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.<br>Avoid dust formation.<br>Avoid breathing dust.                                                           |
| Environmental precautions                                           | : | Prevent further leakage or spillage if safe to do so.<br>If the product contaminates rivers and lakes or drains inform respective authorities. |
| Methods and materials for containment and cleaning up               | : | Keep in suitable, closed containers for disposal.                                                                                              |

**SECTION 7. HANDLING AND STORAGE**

- |                                                 |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Advice on protection against fire and explosion | : | Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.                                                                                                                                                                                                                                                                                                                                                   |
| Advice on safe handling                         | : | Avoid formation of respirable particles.<br>Do not breathe vapours/dust.<br>Avoid exposure - obtain special instructions before use.<br>Avoid contact with skin and eyes.<br>For personal protection see section 8.<br>Smoking, eating and drinking should be prohibited in the application area.<br>Provide sufficient air exchange and/or exhaust in work rooms.<br>Dispose of rinse water in accordance with local and national regulations. |
| Conditions for safe storage                     | : | Keep container tightly closed in a dry and well-ventilated place.<br>Observe label precautions.                                                                                                                                                                                                                                                                                                                                                 |

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Electrical installations / working materials must comply with the technological safety standards.

#### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

##### Personal protective equipment

|                          |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Respiratory protection   | : | General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection. In the case of dust or aerosol formation use respirator with an approved filter. Dust safety masks are recommended when the dust concentration is more than 10 mg/m <sup>3</sup> . |
| Hand protection          | : |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Remarks                  | : | The suitability for a specific workplace should be discussed with the producers of the protective gloves.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Eye protection           | : | Eye wash bottle with pure water<br>Tightly fitting safety goggles<br>Wear face-shield and protective suit for abnormal processing problems.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Skin and body protection | : | Dust impervious protective suit<br>Choose body protection according to the amount and concentration of the dangerous substance at the work place.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Hygiene measures         | : | When using do not eat or drink.<br>When using do not smoke.<br>Wash hands before breaks and at the end of workday.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                      |   |                   |
|--------------------------------------|---|-------------------|
| Appearance                           | : | solid             |
| Colour                               | : | No data available |
| Odour                                | : | No data available |
| Odour Threshold                      | : | No data available |
| pH                                   | : | No data available |
| Freezing Point (Melting point/range) | : | 270 °C (518 °F)   |
| Boiling Point                        | : | No data available |
| Flash point                          | : | Not applicable    |
| Evaporation rate                     | : | No data available |

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|                                        |                                          |
|----------------------------------------|------------------------------------------|
| Flammability (solid, gas)              | : No data available                      |
| Upper explosion limit                  | : No data available                      |
| Lower explosion limit                  | : No data available                      |
| Vapour pressure                        | : No data available                      |
| Relative vapour density                | : No data available                      |
| Relative density                       | : No data available                      |
| Density                                | : 1.36 g/cm <sup>3</sup> @ 20 °C (68 °F) |
| Water solubility                       | : No data available                      |
| Solubility in other solvents           | : No data available                      |
| Partition coefficient: n-octanol/water | : No data available                      |
| Auto-ignition temperature              | : No data available                      |
| Thermal decomposition                  | : No data available                      |

#### SECTION 10. STABILITY AND REACTIVITY

|                                    |                                                                  |
|------------------------------------|------------------------------------------------------------------|
| Reactivity                         | : No dangerous reaction known under conditions of normal use.    |
| Chemical stability                 | : Stable under normal conditions.                                |
| Possibility of hazardous reactions | : No decomposition if stored and applied as directed.            |
| Conditions to avoid                | : Keep away from heat, flame, sparks and other ignition sources. |
| Incompatible materials             | : Oxidizing agents                                               |

#### SECTION 11. TOXICOLOGICAL INFORMATION

##### Acute toxicity

##### Components:

##### **590-00-1:**

Acute oral toxicity : Remarks: No data available

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

##### Skin corrosion/irritation

##### Components:

##### **24634-61-5:**

Species: Rabbit

Exposure time: 4 h

Result: Irritating to skin.

##### **590-00-1:**

Species: Rabbit

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Result: Irritating to skin.

#### Serious eye damage/eye irritation

##### Components:

###### **24634-61-5:**

Species: Rabbit

Result: Irritating to eyes.

Exposure time: 24 h

###### **590-00-1:**

Species: Rabbit

Result: Irritating to eyes.

#### Germ cell mutagenicity

##### Components:

###### **24634-61-5:**

Genotoxicity in vitro

: Test Type: Ames test

Metabolic activation: with and without metabolic activation

Result: negative

: Test Type: Chromosome aberration test in vitro

Species: Chinese hamster lung fibroblasts

Metabolic activation: Without metabolic activation

Result: positive

Genotoxicity in vivo

: Test Type: DNA damage and/or repair

Species: Mouse (male and female)

Cell type: Bone marrow

Application Route: Oral

Exposure time: 24 h

Dose: 0, 500, 1500, 5000 mg/kg bw

Result: negative

###### **590-00-1:**

Germ cell mutagenicity -  
Assessment

: mutagenicity classification is not possible

#### Carcinogenicity

##### Components:

###### **24634-61-5:**

Species: Rat, (male and female)

Application Route: Oral

Exposure time: 2 yrs

Dose: 0, 1.5, 10 %diet

NOAEL: 10 % diet

Result: did not display carcinogenic properties

Remarks: Information given is based on data obtained from similar substances.

###### **590-00-1:**

Carcinogenicity - Assess-

: carcinogenicity classification is not possible

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**IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity****Components:****590-00-1:**

Reproductive toxicity - Assessment

reproduction classification is not possible

Teratogenicity - Assessment : teratogenicity classification is not possible

**STOT - single exposure****Components:****590-00-1:**

Exposure routes: Inhalation

Target Organs: Respiratory system

Assessment: May cause respiratory irritation., The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

**Aspiration toxicity****Components:****590-00-1:**

No aspiration toxicity classification

**Further information****Product:**

Remarks: No data available

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Components:****590-00-1:**

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other : Remarks: No data available

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aquatic invertebrates  
Toxicity to algae : Remarks: No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential****Components:****24634-61-5:**

Partition coefficient: n-  
octanol/water : log Pow: -1.72  
pH: 6.5

**Mobility in soil**

No data available

**Other adverse effects****Product:**

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : No data available

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : Dispose of in accordance with all applicable local, state and federal regulations.  
For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Univar Solutions ChemCare: 1-800-637-7922

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

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**SECTION 14. TRANSPORT INFORMATION**

**DOT (Department of Transportation):** Not regulated as a dangerous good

**IATA (International Air Transport Association):** Not regulated as a dangerous good

**IMDG-Code:** Not regulated as a dangerous good



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**SECTION 15. REGULATORY INFORMATION****EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Skin corrosion or irritation  
Serious eye damage or eye irritation  
Specific target organ toxicity (single or repeated exposure)

**SARA 302** : This material does not contain any components with a section 302 EHS TPQ.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

**Clean Water Act**

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

**Massachusetts Right To Know**

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know**

|            |                                      |
|------------|--------------------------------------|
| 24634-61-5 | 2,4-Hexadienoic acid, potassium salt |
| 590-00-1   | POTASSIUM SORBATE                    |

**California Prop 65** : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**The components of this product are reported in the following inventories:**

TSCA : On TSCA Inventory

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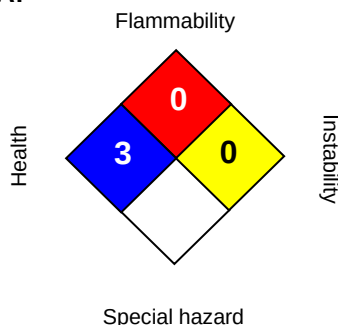
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|       |                                                          |
|-------|----------------------------------------------------------|
| DSL   | : All components of this product are on the Canadian DSL |
| AICS  | : Not in compliance with the inventory                   |
| NZIoC | : Not in compliance with the inventory                   |
| ENCS  | : Not in compliance with the inventory                   |
| KECI  | : Not in compliance with the inventory                   |
| PICCS | : Not in compliance with the inventory                   |
| IECSC | : Not in compliance with the inventory                   |

#### SECTION 16. OTHER INFORMATION

##### NFPA:



##### HMIS III:

|                 |   |
|-----------------|---|
| HEALTH          | 3 |
| FLAMMABILITY    | 0 |
| PHYSICAL HAZARD | 0 |

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Univar Solutions Product Compliance Department (1-855-429-2661) [SDSNA@univarsolutions.com](mailto:SDSNA@univarsolutions.com).

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##### Material number:

16216064, 16200499, 16199381, 16199374, 16187840, 16170077, 16162174, 16155456, 16144245, 16140415, 16140560, 16142048

| Key or legend to abbreviations and acronyms used in the safety data sheet |                                                         |       |                                |
|---------------------------------------------------------------------------|---------------------------------------------------------|-------|--------------------------------|
| ACGIH                                                                     | American Conference of Government Industrial Hygienists | LD50  | Lethal Dose 50%                |
| AICS                                                                      | Australia, Inventory of Chemical                        | LOAEL | Lowest Observed Adverse Effect |

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|        | Substances                                               |       | Level                                                                                |
|--------|----------------------------------------------------------|-------|--------------------------------------------------------------------------------------|
| DSL    | Canada, Domestic Substances List                         | NFPA  | National Fire Protection Agency                                                      |
| NDSL   | Canada, Non-Domestic Substances List                     | NIOSH | National Institute for Occupational Safety & Health                                  |
| CNS    | Central Nervous System                                   | NTP   | National Toxicology Program                                                          |
| CAS    | Chemical Abstract Service                                | NZIoC | New Zealand Inventory of Chemicals                                                   |
| EC50   | Effective Concentration                                  | NOAEL | No Observable Adverse Effect Level                                                   |
| EC50   | Effective Concentration 50%                              | NOEC  | No Observed Effect Concentration                                                     |
| EGEST  | EOSCA Generic Exposure Scenario Tool                     | OSHA  | Occupational Safety & Health Administration                                          |
| EOSCA  | European Oilfield Specialty Chemicals Association        | PEL   | Permissible Exposure Limit                                                           |
| EINECS | European Inventory of Existing Chemical Substances       | PICCS | Philippines Inventory of Commercial Chemical Substances                              |
| MAK    | Germany Maximum Concentration Values                     | PRNT  | Presumed Not Toxic                                                                   |
| GHS    | Globally Harmonized System                               | RCRA  | Resource Conservation Recovery Act                                                   |
| >=     | Greater Than or Equal To                                 | STEL  | Short-term Exposure Limit                                                            |
| IC50   | Inhibition Concentration 50%                             | SARA  | Superfund Amendments and Reauthorization Act.                                        |
| IARC   | International Agency for Research on Cancer              | TLV   | Threshold Limit Value                                                                |
| IECSC  | Inventory of Existing Chemical Substances in China       | TWA   | Time Weighted Average                                                                |
| ENCS   | Japan, Inventory of Existing and New Chemical Substances | TSCA  | Toxic Substance Control Act                                                          |
| KECI   | Korea, Existing Chemical Inventory                       | UVCB  | Unknown or Variable Composition, Complex Reaction Products, and Biological Materials |
| <=     | Less Than or Equal To                                    | WHMIS | Workplace Hazardous Materials Information System                                     |
| LC50   | Lethal Concentration 50%                                 |       |                                                                                      |