

1. IDENTIFICATION

Product Name	Potassium sorbate
Other Names	No Data Available
Uses	Food preservative (E 202); Food, wine and personal-care products.
Chemical Family	No Data Available
Chemical Formula	C ₆ H ₇ O ₂ K
Chemical Name	2,4-Hexadienoic acid, potassium salt, (E,E)-
Product Description	No Data Available

Contact Details of the Supplier of this Safety Data Sheet

Organisation	Location	Telephone
Redox Pty Ltd	2 Swettenham Road Minto NSW 2566 Australia	+61-2-97333000
Redox Pty Ltd	11 Mayo Road Wiri Auckland 2104 New Zealand	+64-9-2506222
Redox Inc.	3960 Paramount Boulevard Suite 107 Lakewood CA 90712 USA	+1-424-675-3200
Redox Chemicals Sdn Bhd	Level 2, No. 8, Jalan Sapir 33/7 Seksyen 33, Shah Alam Premier Industrial Park 40400 Shah Alam Sengalor, Malaysia	+60-3-5614-2111

Emergency Contact Details

For emergencies only; DO NOT contact these companies for general product advice.

Organisation	Location	Telephone
Poisons Information Centre	Westmead NSW	1800-251525 131126
Chemcall	Australia	1800-127406 +64-4-9179888

2. HAZARD IDENTIFICATION

Poisons Schedule (Aust) Not Scheduled

Globally Harmonised System

Hazard Classification	Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
Hazard Categories	Skin Corrosion/Irritation - Category 2 Serious Eye Damage/Irritation - Category 2A



Pictograms



Signal Word

Warning

Hazard Statements

H315

Causes skin irritation.

H319

Causes serious eye irritation.

Precautionary Statements

Prevention

P280

Wear protective gloves/eye protection/face protection.

Response

P302 + P352

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

P337 + P313

If eye irritation persists: Get medical advice/attention.

P332 + P313

If skin irritation occurs: Get medical advice/attention.

P362

Take off contaminated clothing and wash before reuse.

P305 + P351 + P338

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

National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification

NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Chemical Entity	Formula	CAS Number	Proportion
Potassium sorbate	C ₆ H ₇ KO ₂	24634-61-5	<=100 %

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure

Swallowed

IF SWALLOWED: Rinse mouth, then drink plenty of water. Get medical advice/attention if you feel unwell. If vomiting occurs, drink further water.

Eye

IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical advice/attention.

Skin

IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs, get medical advice/attention.

Inhaled

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If respiratory symptoms persist, get medical advice/attention. Apply resuscitation if victim is not breathing - Administer oxygen if breathing is difficult.

Advice to Doctor

Treat symptomatically.

Medical Conditions Aggravated by Exposure

No information available.

5. FIRE FIGHTING MEASURES



General Measures	If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out.
Flammability Conditions	May burn but does not ignite readily.
Extinguishing Media	Use dry chemical, Carbon dioxide (CO ₂), foam or water spray for extinction.
Fire and Explosion Hazard	Dust explosion hazard: Fine dust may form explosive mixtures with air.
Hazardous Products of Combustion	Fire may produce irritating and/or toxic fumes, including Carbon oxides.
Special Fire Fighting Instructions	Contain runoff from fire control or dilution water - Runoff may pollute waterways.
Personal Protective Equipment	Normal firefighting clothing is appropriate, i.e. self-contained breathing apparatus (SCBA) worn in combination with full fire kit.
Flash Point	>150 °C
Lower Explosion Limit	No Data Available
Upper Explosion Limit	No Data Available
Auto Ignition Temperature	No Data Available
Hazchem Code	No Data Available

6. ACCIDENTAL RELEASE MEASURES

General Response Procedure	Ensure adequate ventilation. ELIMINATE all ignition sources (no smoking, flares, sparks or flame). Do not touch or walk through spilled material. Avoid breathing dust and contact with eyes, skin and clothing.
Clean Up Procedures	Collect material (sweep up, shovel) and place it in suitable containers for later disposal (see SECTION 13); If appropriate, moisten first to prevent dusting.
Containment	Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Prevent dust cloud.
Decontamination	Wash area down with excess water.
Environmental Precautionary Measures	Prevent entry into drains and waterways.
Evacuation Criteria	Spill or leak area should be isolated immediately. Keep unauthorised personnel away; Keep upwind.
Personal Precautionary Measures	Use personal protective equipment as required; In case of inadequate ventilation, wear respiratory protection (see SECTION 8).

7. HANDLING AND STORAGE

Handling	Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation. Avoid breathing dust and contact with eyes, skin and clothing. Use personal protective equipment as required (see SECTION 8). Dust explosion hazard: Keep away from heat and sources of ignition - No smoking; Take precautionary measures against static discharge.
Storage	Store in a cool, dry and well-ventilated place. Keep out of direct sunlight. Keep container tightly closed. Keep away from heat and sources of ignition. Keep away from incompatible materials (oxidising agents).
Container	Keep in the original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General	No specific exposure standards are available for this product. For dusts from solid substances without specific occupational exposure standards: - Safe Work Australia Exposure Standard (Nuisance dusts): 8 hr TWA = 10 mg/m ³ (measured as inhalable dust). - New Zealand WES (Particulates not otherwise classified): TWA = 10 mg/m ³ (total); TWA = 3 mg/m ³ (respirable).
Exposure Limits	No Data Available
Biological Limits	No information available.
Engineering Measures	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local



exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Protection Equipment

- Respiratory protection: Wear respiratory protection in case of inadequate ventilation or if an inhalation risk exists. Recommended: Dust mask/respirator (AS/NZS 1715 & AS/NZS 1716).
- Eye/face protection: Wear appropriate eye protection to prevent eye contact. Recommended: Safety glasses; Chemical goggles.
- Hand protection: Wear protective gloves. Recommended: Impervious gloves, e.g. Nitrile rubber.
- Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Overalls, safety shoes.

Special Hazards Precautions No information available.

Work Hygienic Practices Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash before storage or reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance	Powder, granular, needle
Odour	Odourless
Colour	White
pH	8 - 11
Vapour Pressure	No Data Available
Relative Vapour Density	No Data Available
Boiling Point	No Data Available
Melting Point	210 °C
Freezing Point	No Data Available
Solubility	Soluble in water
Specific Gravity	No Data Available
Flash Point	>150 °C
Auto Ignition Temp	No Data Available
Evaporation Rate	No Data Available
Bulk Density	0.670 g/cm ³
Corrosion Rate	No Data Available
Decomposition Temperature	No Data Available
Density	1.36 g/cm ³
Specific Heat	No Data Available
Molecular Weight	150.22 g/mol
Net Propellant Weight	No Data Available
Octanol Water Coefficient	No Data Available
Particle Size	No Data Available
Partition Coefficient	No Data Available
Saturated Vapour Concentration	No Data Available
Vapour Temperature	No Data Available
Viscosity	No Data Available
Volatile Percent	No Data Available
VOC Volume	No Data Available
Additional Characteristics	No information available.
Potential for Dust Explosion	Fine dust may form explosive mixtures with air.
Fast or Intensely Burning Characteristics	No information available.
Flame Propagation or Burning Rate of Solid Materials	No information available.



Non-Flammables That Could Contribute Unusual Hazards to a Fire	No information available.
Properties That May Initiate or Contribute to Fire Intensity	May burn but does not ignite readily.
Reactions That Release Gases or Vapours	Fire/thermal decomposition may produce irritating and/or toxic fumes, including Carbon oxides.
Release of Invisible Flammable Vapours and Gases	No information available.

10. STABILITY AND REACTIVITY

General Information	Under normal conditions, no hazardous reactions will occur.
Chemical Stability	The substance is stable under normal storage and handling conditions.
Conditions to Avoid	Avoid dust formation. Keep away from heat and sources of ignition.
Materials to Avoid	Incompatible/reactive with oxidising agents.
Hazardous Decomposition Products	Fire/thermal decomposition may produce irritating and/or toxic fumes, including Carbon oxides.
Hazardous Polymerisation	Will not occur.

11. TOXICOLOGICAL INFORMATION

General Information	Information on possible routes of exposure: - Ingestion: May be harmful if large amounts are swallowed; May cause nausea and vomiting. - Eye contact: Cause serious eye irritation. - Skin contact: Causes skin irritation. - Inhalation: May cause irritation of the respiratory tract (mucous membranes).
Acute	
Ingestion	Acute toxicity (Oral): - LD50, Rat: >2,000 mg/kg
Other	Acute toxicity (Dermal): - LD50, Rat: >2,000 mg/kg
Carcinogen Category	None

12. ECOLOGICAL INFORMATION

Ecotoxicity	No information available.
Persistence/Degradability	No information available.
Mobility	No information available.
Environmental Fate	Prevent entry into drains and waterways.
Bioaccumulation Potential	No information available.
Environmental Impact	No Data Available

13. DISPOSAL CONSIDERATIONS

General Information	Dispose of contents/container through a licensed waste contractor and in accordance with local/regional/national regulations. Material is normally suitable for disposal at approved land waste site. No information available.
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Special Precautions for Land Fill

14. TRANSPORT INFORMATION

Land Transport (Australia)

ADG Code

Proper Shipping Name	POTASSIUM SORBATE
Class	No Data Available
Subsidiary Risk(s)	No Data Available
	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
Comments	NON-DANGEROUS GOODS: Not regulated for LAND transport.

Sea Transport

IMDG Code

Proper Shipping Name	POTASSIUM SORBATE
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
EMS	No Data Available
Marine Pollutant	No
Comments	NON-DANGEROUS GOODS: Not regulated for SEA transport.

Air Transport

IATA DGR

Proper Shipping Name	POTASSIUM SORBATE
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
Comments	NON-DANGEROUS GOODS: Not regulated for AIR transport.

National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification	NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)
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15. REGULATORY INFORMATION

General Information	POTASSIUM SORBATE is listed in Appendix B, Part 3 of the SUSMP - Substances considered not to require control by scheduling.
Poisons Schedule (Aust)	Not Scheduled

National/Regional Inventories

Australia (AICS)	Listed
Canada (DSL)	Not Determined
Canada (NDSL)	Not Determined
China (IECSC)	Not Determined
Europe (EINECS)	246-376-1
Europe (REACH)	Not Determined
Japan (ENCS/METI)	Not Determined
Korea (KECI)	Not Determined
Malaysia (EHS Register)	Not Determined
New Zealand (NZIoC)	Listed
Philippines (PICCS)	Not Determined
Switzerland (Giftliste 1)	Not Determined
Switzerland (Inventory of Notified Substances)	Not Determined
Taiwan (NCSR)	Not Determined
USA (TSCA)	Not Determined

16. OTHER INFORMATION

Related Product Codes	POSORB0100, POSORB1000, POSORB1001, POSORB1002, POSORB1003, POSORB1004, POSORB1005, POSORB1006, POSORB1007, POSORB1008, POSORB1009, POSORB1010, POSORB1011, POSORB1012, POSORB1013, POSORB1014, POSORB1015, POSORB1016, POSORB1017, POSORB1018, POSORB1019, POSORB1020, POSORB1021, POSORB1022, POSORB1023, POSORB1024, POSORB1025, POSORB1026, POSORB1027, POSORB1028, POSORB1029, POSORB1030, POSORB1031, POSORB1032, POSORB1033, POSORB1034, POSORB1035, POSORB1036, POSORB1037, POSORB1038, POSORB1039, POSORB1040, POSORB1041, POSORB1042, POSORB1100, POSORB1200, POSORB1201, POSORB1202, POSORB1203, POSORB1204, POSORB1210, POSORB1220, POSORB1300, POSORB1320, POSORB1400, POSORB1401, POSORB1500, POSORB1501, POSORB1502, POSORB1503, POSORB1504, POSORB1600, POSORB1601, POSORB1602, POSORB1700, POSORB1701, POSORB1800, POSORB1801, POSORB1802, POSORB1803, POSORB1804, POSORB1805, POSORB1806, POSORB1807, POSORB1808, POSORB1830, POSORB1831, POSORB1832, POSORB1833, POSORB1900, POSORB1901, POSORB1902, POSORB2000, POSORB2001, POSORB2100, POSORB2101, POSORB2200, POSORB2201, POSORB2300, POSORB2301, POSORB2302, POSORB2303, POSORB2304, POSORB2305, POSORB2306, POSORB2308, POSORB2400, POSORB2500, POSORB2600, POSORB2700, POSORB2800, POSORB2900, POSORB3000, POSORB3001, POSORB3002, POSORB3010, POSORB3100, POSORB3110, POSORB3113, POSORB3300, POSORB3400, POSORB3420, POSORB3500, POSORB3501, POSORB4000, POSORB4001, POSORB4020, POSORB4100, POSORB4200, POSORB4220, POSORB4300, POSORB4500, POSORB4501, POSORB4502, POSORB4503, POSORB4520, POSORB4525, POSORB4600, POSORB4700, POSORB4800, POSORB4815, POSORB4820, POSORB4825, POSORB4900, POSORB5000, POSORB5001, POSORB5500, POSORB5501, POSORB6000, POSORB6001, POSORB6015, POSORB6200, POSORB6300, POSORB6315, POSORB7000, POSORB7200, POSORB7201,
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POSORB7500, POSORB7501, POSORB8000, POSORB8100, POSORB8300, POSORB8301, POSORB8500, POSORB8501, POSORB9000

Revision

3

Revision Date

06 Nov 2017

Key/Legend

< Less Than

> Greater Than

AICS Australian Inventory of Chemical Substances

atm Atmosphere

CAS Chemical Abstracts Service (Registry Number)

cm² Square Centimetres

CO₂ Carbon Dioxide

COD Chemical Oxygen Demand

deg C (°C) Degrees Celcius

EPA (New Zealand) Environmental Protection Authority of New Zealand

deg F (°F) Degrees Farenheit

g Grams

g/cm³ Grams per Cubic Centimetre

g/l Grams per Litre

HSNO Hazardous Substance and New Organism

IDLH Immediately Dangerous to Life and Health

immiscible Liquids are insoluable in each other.

inHg Inch of Mercury

inH₂O Inch of Water

K Kelvin

kg Kilogram

kg/m³ Kilograms per Cubic Metre

lb Pound

LC₅₀ LC stands for lethal concentration. LC₅₀ is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.

LD₅₀ LD stands for Lethal Dose. LD₅₀ is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.

ltr or **L** Litre

m³ Cubic Metre

mbar Millibar

mg Milligram

mg/24H Milligrams per 24 Hours

mg/kg Milligrams per Kilogram

mg/m³ Milligrams per Cubic Metre

Misc or **Miscible** Liquids form one homogeneous liquid phase regardless of the amount of either component present.

mm Millimetre

mmH₂O Millimetres of Water

mPa.s Millipascals per Second

N/A Not Applicable

NIOSH National Institute for Occupational Safety and Health

NOHSC National Occupational Heath and Safety Commission

OECD Organisation for Economic Co-operation and Development

Oz Ounce

PEL Permissible Exposure Limit

Pa Pascal

ppb Parts per Billion

ppm Parts per Million

ppm/2h Parts per Million per 2 Hours

ppm/6h Parts per Million per 6 Hours

psi Pounds per Square Inch

R Rankine

RCP Reciprocal Calculation Procedure

STEL Short Term Exposure Limit

TLV Threshold Limit Value

tne Tonne

TWA Time Weighted Average

ug/24H Micrograms per 24 Hours

UN United Nations

wt Weight

