


30% Potash Serpentine Super

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

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| Product Name: | 30% Potash Serpentine Super |
| Product Code: | N/A |
| Recommended Use: | Agricultural Fertiliser |
| Restrictions of Use: | Refer to Section 15 |
| Company Identification: | Ravensdown Limited |
| Address: | 292 Main South Road, Hornby, Christchurch, 8042 PO Box 1049, Christchurch 8011 |
| Customer Centre: | 0800 100 123 |
| National Poisons Information Centre: | 0800 POISON (0800 764 766) |
| Emergency Phone Number: | 0800 CHEMCALL (0800 243 622) (24hr) (Emergencies Only) |
| Transport Emergency Phone Number: | 111 - tell operator what service is needed: Fire, Ambulance or Police |
| Date of SDS Preparation | 10 October 2022 |

Section 2: HAZARD IDENTIFICATION

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

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| EPA Approval No: | Fertilisers (subsidiary) – HSR002571 |
| Pictograms: |  |
| Signal Word: | Warning |

| GHS Classification and Category | Hazard Code | Hazard Statement |
|---|-------------|---|
| Eye irritation Cat. 2 | H319 | Causes serious eye irritation. |
| Hazardous to the aquatic environment chronic Cat. 4 | H413 | May cause long lasting harmful effects to aquatic life. |

| Prevention Code | Prevention Statement |
|-----------------|--|
| P103 | Read label before use. |
| P264 | Wash hands thoroughly after handling. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective clothing as detailed in Section 8. |

| Response Code | Response Statement |
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| P305 + P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337 + P313 | If eye irritation persists: Get medical advice/attention. |

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| Storage Code | Storage Statement |
| None allocated | |

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| Disposal Code | Disposal Statement |
| P501 | Dispose of according to Local Regulations or Authorities |

Section 3: COMPOSITION INFORMATION

| INGREDIENT | CAS No. | CONTENT % |
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| Serpentine Super | Proprietary/Mixture | 70-75 |
| KCI | 7447-40-7 | 25-35 |

Section 4: FIRST AID MEASURES

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| Routes of Exposure: | |
| If in eyes: | Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice. |
| If on skin: | Wash skin with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. |
| If ingested: | Rinse mouth. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Call a POISON CENTER or doctor/physician if you feel unwell. |
| If inhaled: | Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult. |
| Most important symptoms and effects, both acute and delayed | |
| Symptoms: | |
| Eyes: | Causes serious eye irritation. |
| Skin: | Not applicable. |
| Ingested: | Not applicable |
| Inhaled: | Not applicable. |
| Chronic: | Not applicable. |
| Advice to Doctor: | Treat symptomatically. |

Section 5: FIRE FIGHTING MEASURES

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| Hazard Type | Not flammable or combustible. |
| Hazards from combustion products | Oxides of carbon, potassium oxide, possible toxic fumes |
| Suitable Extinguishing media | Use media suitable for surrounding materials. |
| Precautions for firefighters and special protective clothing | Wear full protective gear. |
| HAZCHEM CODE | None allocated |

Section 6: ACCIDENTIAL RELEASE MEASURES

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| Personal precautions, protective equipment and emergency procedures: |
| Wear appropriate protective clothing as detailed in Section 8. Exclude non-essential people from the area. If possible, avoid contact with eyes and skin. Avoid generation of dusts, do not inhale. |
| Environmental precautions: |
| Avoid from entering drains, waterways or sewers. |
| Methods and material for containment and cleaning up: |
| Scrape up the product with a shovel and put it in a container which can always be used if the product is not contaminated Forward for disposal. Clean up affected area with plenty of water. Dispose as per Section 13. |

Section 7: HANDLING AND STORAGE

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| Handling: | Read label before use. Wash hands thoroughly after handling. Wear protective clothing as detailed in Section 8. Use personal protective equipment as required. Avoid generating dusts, do not breathe dusts. Avoid contact with skin and eyes. Avoid release to the environment. |
| Storage: | Store away from incompatible materials listed in Section 10. Store in a cool, dry area, well ventilated area. |

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION


WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

| Substance | TWA ppm mg/m ³ | STEL ppm mg/m ³ |
|-----------|------------------------------|-------------------------------|
|-----------|------------------------------|-------------------------------|

No exposure limits have been assigned for this product.

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices April 2022 13TH EDITION.

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| Engineering Controls: | Ensure ventilation is adequate of work place. |
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| Personal Protection Equipment: | |
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| Eyes: | Wear goggles with side shields. Avoid wearing contact lenses. |
| Skin/Hands: | Wear protective gloves. |
| Respiratory: | Wear a protective mask. |
| General: | Always wash hands after handling product. Do not drink, eat or smoke at workplace. Wash contaminated clothing before re-use. |

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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| Appearance | Granular blend |
| Colour | Dark grey granules with red chip. |
| Odour | Not available |
| Odour Threshold | Not available |
| pH | Not available |
| Boiling Point | Not available |
| Melting Point | Not available |
| Freezing Point | Not available |
| Flash Point | Not available |
| Flammability | Not available |
| Upper and Lower Explosive Limits | Not available |
| Vapour Pressure | Not available |
| Vapour Density | Not available |
| Specific Gravity | Not available |
| Water Solubility | Not available |
| Partition Coefficient: | Not available |

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| Auto-ignition Temperature | Not available |
| Decomposition Temperature | Not available |
| Kinematic Viscosity | Not available |
| Granulometrics (mm) | Not available |

Section 10: STABILITY AND REACTIVITY

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| Stability of Substance | Stable under normal conditions. |
| Possibility of hazardous reactions | Not data available. |
| Conditions to Avoid | None when applied and handled in accordance with conditions for use. |
| Incompatible Materials | Strong oxidisers |
| Hazardous Decomposition Products | No data available. |

Section 11: TOXICOLOGICAL INFORMATION

Acute Effects:

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| Swallowed | Not applicable |
| Dermal | Not applicable |
| Inhalation | Not applicable |
| Eye | Causes serious eye irritation. |
| Skin | Not applicable. |

Chronic Effects:

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| Carcinogenicity | Not applicable |
| Reproductive Toxicity | Not applicable |
| Germ Cell Mutagenicity | Not applicable |
| Aspiration | Not applicable |
| STOT/SE | Not applicable |
| STOT/RE | Not applicable |

Section 12: ECOLOGICAL INFORMATION

May cause long lasting harmful effects to aquatic life.

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| Persistence and degradability | No data available. |
| Bioaccumulation | No data available |
| Mobility in Soil | No data available. |
| Other adverse effects | No data available |

Avoid unintended release into streams and waterways.

Section 13: DISPOSAL INFORMATION

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| Disposal Method: | Using the product correctly should not generate waste. Disposal of unused product in the landfill. Dispose empty packaging safely with domestic rubbish. |
| Precautions or methods to avoid: | Avoid unintended release into streams and waterways. |

Section 14: TRANSPORT INFORMATION

This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2020

Section 15: REGULATORY INFORMATION

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

