


Ravensdown Pasture 6

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

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|---|---|
| Product Name: | Ravensdown Pasture 6 |
| 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. |

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

| Response Code | Response Statement |
|------------------|--|
| 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. |

| 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 % |
|-------------------|-----------|-----------|
| Superphosphate | 8011-76-5 | 60-65 |
| Ammonium Sulphate | 7783-20-2 | 25-30 |
| KCl | 7447-40-7 | 10-15 |

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 | Phosphorous oxides, ammonia, sulfur oxides, 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. Avoid generating dust. 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 unintended release into 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 ingredients have known exposure limits

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. Minimise generation of airborne dust. |
|------------------------------|---|

Personal Protection Equipment:



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| Eyes: | Wear close fitting safety glasses or goggles to prevent dust getting in eyes. |
| Skin/Hands: | Wear protective clothing and gloves where there is a risk of moderate to high skin contamination from product. |
| Respiratory: | Wear particulate respirator where there is a risk of breathing in moderate to high levels of airborne dust. |
| General: | Do not eat, drink or smoke while using this product. Remove protective clothing and wash hands and face before meals and after work. Wash protective clothing daily after work. |

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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|---|---|
| Appearance | Granular blend |
| Colour | Grey and white granules with a 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 |

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|----------------------------------|---------------|
| Partition Coefficient: | Not available |
| 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 | None known. |
| 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:

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

Individual component information:

Acute Toxicity:

| Chemical Name | Oral – LD50 | Dermal – LD50 | Inhalation – LC50 |
|-------------------------------|-------------------|---------------|-------------------|
| Ammonium sulphate (7732-20-2) | 640 mg/kg (mouse) | - | - |

Section 12: ECOLOGICAL INFORMATION

Not known to be harmful to the environment.

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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 |

Section 13: DISPOSAL INFORMATION

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| Disposal Method: | Reuse or recycle where possible. If practicable apply excess fertiliser at recommended rates to appropriate land. Collection into sealable containers and dispose of in an approved land fill. Observe any local authority restrictions that may apply. |
| | Rinse containers thoroughly prior to reuse. Otherwise render unusable and dispose of as waste. |
| Precautions or methods to avoid: | Do not allow to enter 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

EPA Approval Code: Fertilisers (subsidiary) – HSR002571

| HSW (HS) Regulations 2017 | Trigger Quantity |
|---|------------------|
| Signage Trigger Quantities (Schedule 3) | Not required |
| Emergency Response Plan (Schedule 5) | Not required |
| Secondary Containment (Schedule 5) | Not required |
| Tracking (Schedule 26) | Not required |
| Certified Handlers | Not required |
| Location Certificate | Not required |
| Restrictions of use | None known. |

Section 16: OTHER INFORMATION

Glossary

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| Cat | Category |
| EC ₅₀ | Median effective concentration. |
| EEL | Environmental Exposure Limit. |
| EPA | Environmental Protection Authority |
| HSNO | Hazardous Substances and New Organisms. |
| HSW | Health and Safety at Work. |
| LC ₅₀ | Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it. |
| LD ₅₀ | Lethal dose to kill 50% of test animals/organisms. |
| LEL | Lower explosive level. |
| OSHA | American Occupational Safety and Health Administration. |
| TEL | Tolerable Exposure Limit. |
| TLV | Threshold Limit Value-an exposure limit set by responsible authority. |
| UEL | Upper Explosive Level |
| WES | Workplace Exposure Limit |

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices APRIL 2022 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Please contact Ravensdown, if further information is required.

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