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Version 1.1

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## SECTION 1 – IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

Product Identifier

| | |
|---|---|
| Product Name | Special Scour Powder |
| Other Names | None |
| Proper Shipping Name | None |
| Other means of Identification | None |

Relevant identified uses of the substance or mixture

| | |
|---|---|
| Relevant identified uses | Used as a scour treatment and binder in calves |

Details of the supplier of the safety data sheet

| | |
|---|---|
| Registered company name | Vetpak Limited |
| Address | 249 Bruce Berquist Dr, Te Awamutu 3800. |
| Telephone | (07) 870 2024 |
| Website | www.vetpak.co.nz |
| Email | sales@vetpak.co.nz |

Emergency telephone numbers

| | |
|---|---|
| Association/ Organisation | New Zealand National Poison information centre |
| Emergency telephone number | 0800 764 766<br>(07) 870 2024 Vetpak. 8.00am to 5.00pm Monday to Friday except public holidays. |
| Other emergency telephone numbers | New Zealand emergency services 111 |

## SECTION 2 – HAZARDS IDENTIFICATION

Hazard Classification:

Hazardous according to the criteria of the Globally Harmonised System of classification and labelling of chemicals (GHS)

Label pictograms

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| GHS label elements |  |
| Signal Word | WARNING |

Hazard statements

| HSNO | Hazard Code | GHS Category | Hazard Statement |
|---|---|---|---|
| 6.8B | H 361 | Category 2 | Suspected of damaging fertility or the unborn child |
| 6.9B | H 373 | Category 2 | May cause damage to organs |

Precautionary statements prevention

| | |
|---|---|
| P103 | Read label before use |
| P201 | Obtain special instructions before use. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray |
| P281 | Use personal protective equipment as required |

Precautionary statement responses

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|---|---|
| P308 + P313 | If exposed or concerned: Get medical advice/ attention |
| P314 | Get medical advice/attention if you feel unwell |

Storage responses

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|---|---|
| P405 | Store locked up |

Precautionary statement disposal

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|---|---|
| P501 | Disposal should be through a suitably qualified contractor following the EPA guidelines |

## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures

| CAS Number | % (weight) | Name |
|---|---|---|
| 1318 – 74 – 7 | 30 – 60 % | Kaolinite |
| 57 – 68 – 1 | < 30 % | Sulphadimidine |
| Mixture | < 30 % | Dextrose and other electrolytes |

## SECTION 4 – FIRST AID MEASURES

Description of first aid measures

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| Eye contact | ➢ Wash out immediately with fresh running water for several minutes. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.<br>➢ Seek medical attention immediately for assessment of the eye. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel |
| Skin contact | ➢ Remove contaminated clothing including footwear.<br>➢ Flush skin and hair with running water (and soap if available).<br>➢ Seek medical attention in event of irritation. |
| Inhalation | ➢ If dust is inhaled, remove from contaminated area. Encourage patient to blow nose to ensure clear passage of breathing.<br>➢ If irritation or discomfort persists, seek medical attention. |
| Ingestion | ➢ If swallowed do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head down position, if possible) to maintain open airway and prevent aspiration.<br>➢ Observe the patient carefully. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.<br>➢ Seek medical advice. |
| Advice to the doctor | Treat symptomatically. No action shall be taken involving any personal risk or without suitable training. Ensure that attending medical personnel are aware of the identity and nature of the product(s) involved, and take precautions to protect themselves |

## SECTION 5 – FIREFIGHTING MEASURES

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|---|---|
| Extinguishing media | ➢ In case of fire, use appropriate extinguishing media most suitable for surrounding fire conditions:<br>➢ Water – (not water jets)<br>➢ Dry powder<br>➢ Foam<br>➢ Carbon dioxide (CO2). |

Special hazards arising from the substrate or mixture

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|---|---|
| Fire incompatibility | Not considered to be a fire, or explosion hazard |

Advice for fire fighters

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|---|---|
| Fire fighting | ➢ Alert Fire Brigade and tell them location and nature of hazard. Clear fire area of all non-emergency personnel.<br>➢ Wear breathing apparatus plus protective gloves.<br>➢ Prevent spillage from entering drains or water courses. Use firefighting procedures suitable for surrounding area.<br>➢ Equipment should be thoroughly decontaminated after use. |
| Hazardous Products of Combustion | ➢ Smoke, fumes and dust may be generated in a large fire |
| Special Fire Fighting Instructions | ➢ Contain runoff from fire control or dilution water - Runoff may pollute waterways. |

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

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|---|---|
| Minor spills | ➢ Clean up all spills immediately. Avoid contact with skin and eyes. Control personal contact by using protective equipment.<br>➢ Use dry clean up procedures and avoid generating dust.<br>➢ Place in a suitable labeled container for waste disposal. |
| Major spills | ➢ Alert Emergency Services and tell them location and nature of hazard.<br>➢ Control personal contact by wearing protective clothing including chemical safety goggles.<br>➢ Prevent, by any means available, spillage from entering drains or water courses. Recover product wherever possible.<br>➢ Use dry clean up procedures and avoid generating dust.<br>➢ If contamination of drains or waterways occurs, advise Emergency Services. |
| Clean Up Procedures | ➢ Move containers from spill area.<br>➢ Collect material and place into secure containers clearly marked. |
| Containment | ➢ Store away from food product and animal feedstuffs |
| Environmental Precautionary Measures | ➢ Store in original packaging. Keep containers tightly sealed to prevent contamination. Store in a secured location |

## SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling

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|---|---|
| Safe Handling | ➢ Read label before use<br>➢ Limit all unnecessary personal contact.<br>➢ Wear protective clothing when risk of exposure occurs.<br>➢ Use in a well-ventilated area.<br>➢ When handling DO NOT eat, drink or smoke.<br>➢ Always wash hands with soap and water after handling.<br>➢ Avoid physical damage to containers. Use good occupational work practice. |

| | |
|---|---|
| | ➢ Observe manufacturer's storage and handling recommendations contained within this SDS. |
| Storage | ➢ Store in a secure cool, dry and well-ventilated place, out of direct sunlight.<br>➢ Keep containers closed when not in use - check regularly for spills. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.<br>➢ Keep away from foodstuffs and incompatible materials.<br>➢ Use appropriate containment to avoid environmental contamination. |

Conditions for safe storage, including any incompatibilities

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|---|---|
| Suitable container | ➢ Keep in the original container or an approved alternative made from a compatible material.<br>➢ Do not store in unlabelled containers.<br>➢ Empty containers retain product residue and can be hazardous. |

## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|---|---|
| General | No exposure standard has been established for this product by WorkSafe New Zealand<br>New Zealand WES 2020 total dust time weighted average (TWA) 10 mg/m³<br>New Zealand WES 2020 respirable dust time weighted average (TWA) 3 mg/m³ |

Exposure controls

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|---|---|
| Appropriate engineering controls | Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. 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 |  |
| Eye and face protection | ➢ Safety glasses with side shields<br>➢ Contact lenses may pose a special hazard soft contact lenses may absorb and concentrate materials.<br>➢ Medical personal should be trained and readily available in the event of chemical exposure; they should begin eye irrigation and remove contact lenses as soon as practicable. Lenses should be removed at the first sign of eye irritation |
| Skin protection | Wear general protective gloves e.g. light weight rubber gloves |
| Hand / feet protection | As above for hands; wear appropriate footwear for the environment |
| Body protection | Overalls or PVC Aprons if available |
| Other protection | ➢ Overalls<br>➢ PVC Aprons<br>➢ PVC protective gear<br>➢ Eyewash facilities<br>➢ Ensure there is ready access to a safety shower |
| Work Hygienic Practices | ➢ Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.<br>➢ Workers should wash hands and face before eating, drinking and smoking.<br>➢ Remove contaminated clothing and protective equipment before entering eating areas.<br>➢ Appropriate techniques should be used to remove potentially contaminated clothing. |

| | |
|---|---|
| | ➢ Wash contaminated clothing before reusing. |

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|---|---|---|---|
| Appearance | Off white / white powder | Density | Not available |
| Odour | Clay odour when moisturised. | Specific gravity | 2.63 – 2.69 (water = 1) |
| Odour threshold | Not available | Bulk density | Not available |
| pH | 6.2 – 8.5 (20% aqueous slurry) | Viscosity | Not available |
| Melting point (°C) | Not available | Decomposition Temperature | Not available |
| Boiling point (°C) | Not available | Solubility in water (g/L @ 20°C) | Insoluble. Forms colloidal suspensions in water |
| Flash point (°C) | Not available | Explosive properties | Not available |
| Vapour pressure | Not available | Oxidising properties | Not available |
| Flammability | Not flammable | Volatile component (% vol) | Not available |

## SECTION 10 – STABILITY AND REACTIVITY

| | |
|---|---|
| General Information | Product is stable under normal conditions of use, storage and temperature |
| Chemical stability | Product is stable under normal conditions of use, storage and temperature |
| Conditions to avoid | Avoid excessive heat |
| Incompatible materials | No incompatibilities |
| Hazardous Polymerisation | Hazardous polymerisation will not occur |

## SECTION 11 – TOXICOLOGICAL INFORMATION

| | |
|---|---|
| General | Acute Inhalation Toxicity, LC50: No data available. |
| Inhalation | Inhalation may cause the drying and irritation of the respiratory tract. Acute aspiration may cause coughing, sneezing and pulmonary oedema |
| Ingestion | Ingestion of large amounts may irritate the gastric tract causing nausea and vomiting. When ingested, bentonite can swell several times in volume and can produce intestinal obstruction. |
| Skin | Skin contact may cause dryness. May cause mild irritation in the case of some individuals with sensitive skin |
| Eyes | Eye contact may cause mechanical irritation |
| Carcinogenicity | The product contains respirable crystalline silica as quartz (<10%). Crystalline silica inhaled in the form of quartz or crystobalite from occupational sources has been classified by International Agency for Research on cancer (IARC) as carcinogenic to humans (Group 1). Furthermore, crystalline silica can cause silicosis or other lung diseases on prolonged exposure. |
| Reproductive Toxicity | May cause damage through prolonged inhalation |
| Mutagenicity | Not suspected of causing genetic defects. |
| Chronic effects | The product contains respirable crystalline silica. Repeated exposure to respirable crystalline silica dust may lead to silicosis, a serious lung disease. The onset of silicosis is usually slow and lung damage may occur even when no symptoms or signs of ill health have occurred. Silicosis may develop to a more serious degree even after exposure has ceased, and may lead to other diseases including heart disease and scleroderma. |

## SECTION 12 – ECOLOGICAL INFORMATION

| | |
|---|---|
| Ecotoxicity | Not considered harmful to aquatic life |
| Persistence/Degradability | No information available |
| Bioaccumulation Potential | No information available |
| Environmental Impact | No information available |

## SECTION 13 – DISPOSAL CONSIDERATIONS

Waste treatment methods

| | |
|---|---|
| Product / packaging disposal | ➢ Dispose of product only by using according to label or at an approved landfill. Recycle where possible.<br>➢ Do not contaminate bodies of water with chemical or empty container. Refer to the Local council bylaws and Land Waste Management Authority. |

## SECTION 14 – TRANSPORT INFORMATION

Labels required

| | |
|---|---|
| Marine Pollutant | No |
| HAZCHEM | Not classified as hazardous |

Land transport (ADG) - Air transport (ICAO-IATA / DGR) - Sea transport (IMDG / GGVSee)

| | |
|---|---|
| UN Number | No data available |
| Packing group | lll |
| UN proper shipping name | No data available |
| Environmental hazard | No data available |
| Transport hazard classes | No data available |
| Special precautions for user | Transport upright in the original container with the lid tightly closed |
| Marine Pollutant | Yes |

## SECTION 15 – REGULATORY INFORMATION

Safety, health and environment regulations / legislation specific for the substance or mixture

| | |
|---|---|
| GHS Codes | 6.8B, 6.9B |
| National Inventory | Status - Approved |
| Australia – AICS | Yes |
| Europe – EINEC / ELINCS / NLP | Yes |
| New Zealand – NZIoC | Yes - All ingredients are on the inventory |
| Environmental Protection Authority (New Zealand) | Hazardous Substances and New Organisms Amendment Act 2015 |
| Approval Code | None |

## SECTION 16 – OTHER INFORMATION

While Vetpak Limited in good faith has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Vetpak Limited accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

| | |
|---|---|
| New Zealand National Poison Information Centre: | 0800 764 766 |
| New Zealand Emergency Services: | 111 |
| Vetpak Limited: | +64 7 870 2024 |

Definitions and abbreviations

| | |
|---|---|
| PC – TWA | Permissible concentration – time weighted average |
| PC – STEL | Permissible concentration – short term exposure limit |
| IARC | International agency for research on cancer |
| ACGIH | American conference of Government Industrial Hygiene |
| STEL | Short term exposure limit |
| TEEL | Temporary emergency exposure limit |
| IDLH | Immediate dangerous to life or health concentration |
| OSF | Odour safety factor |
| NOAEL | No observed adverse effect level |
| LOAEL | Lowest observed adverse effect level |
| TLV | Threshold limit value |
| LOD | Limit of detection |
| OTV | Odour threshold value |
| BCF | BioConcentration factors |

**END OF SDS**