

# Safety Data Sheet

## Serpentine Super

Revised: 11/05/2018

### Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

<b>Product Name:</b>	<b>Serpentine Super</b>
<b>Other Names:</b>	Serp Super, Drilling Super, Serpentine Superphosphate
<b>Chemical Formula:</b>	N/A
<b>Product Code:</b>	1700000
<b>Recommended Use:</b>	Fertiliser
<b>Company Identification:</b>	Ravensdown Limited
<b>Address:</b>	292 Main South Road, Hornby, Christchurch 8042 PO Box 1049, Christchurch 8011
<b>Customer Centre:</b>	0800 100 123
<b>National Poisons Information Centre:</b>	0800 POISON (0800 764 766)
<b>Emergency Phone Number:</b>	0800 CHEMCALL (0800 243 622) (24hr) (Emergencies Only)
<b>Transport Emergency Phone Number:</b>	111 - tell operator what service is needed: Fire, Ambulance or Police

### Section 2: HAZARD IDENTIFICATION

<b>Hazard Classifications:</b>	6.1E, 6.3B, 6.4A, 9.1D
<b>Priority Identifiers:</b>	WARNING KEEP OUT OF REACH OF CHILDREN
<b>Secondary Identifiers:</b>	6.1E = May be harmful if swallowed, inhaled or absorbed through the skin
	6.3B = Causes mild skin irritation
	6.4A = Eye irritant
	9.1D = Slightly harmful to aquatic life



**WARNING**

### Section 3: COMPOSITION INFORMATION

INGREDIENT	CAS No.	CONTENT
Dunite	Not assigned	25%
Superphosphate	8011-76-5	75%

### Section 4: FIRST AID MEASURES

<b>First Aid Measures:</b>	Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning.
<b>Inhalation:</b>	Remove patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance.
<b>Ingestion:</b>	Never give anything by mouth to an unconscious person. If large quantities swallowed give 1 or 2 glasses of fluids to dilute - seek medical attention.
<b>Skin:</b>	Wash affected area with water and then soap and water. Wash hands thoroughly before eating. Remove contaminated clothing.
<b>Eye:</b>	<b>Immediately</b> flush with large amounts of water for 15 minutes, holding eyelids open if necessary. Remove contact lenses if present and easy to do. Seek medical advice
<b>Advice to Doctor:</b>	Treat symptomatically.

### Section 5: FIRE FIGHTING MEASURES

<b>Flash Point:</b>	N/A (Non-flammable)
<b>Combustion Products:</b>	Sulphur oxides, Phosphorous oxides
<b>Extinguishing Media:</b>	Based on surrounding materials
<b>Protective Equipment:</b>	N/A (Non-flammable)
<b>HAZCHEM Code:</b>	N/A (Non-flammable)

### Section 6: ACCIDENTAL RELEASE MEASURES

<b>Spills and Disposal:</b>	Protect yourself and others from injury. Wear appropriate protective clothing. Exclude non-essential people from the area. Sweep up as much as possible. Avoid generating dust. Reuse or recycle where possible. If required, dispose of waste safely and responsibly in an approved landfill.
<b>Protective Clothing:</b>	For appropriate personal protective equipment see section 8.
<b>Environmental Precaution:</b>	Prevent from entering drains, waterways or sewers. If spill does enter waterways contact site environmental authority. Always use recommendations as outlined in the NZ Fertiliser Manufacturers Research Association 'Code of Practice for Fertiliser Use'.

## Section 7: HANDLING AND STORAGE

<b>Handling:</b>	Keep out of the reach of children. Check Section 8 of this SDS for details of personal protection equipment and make sure those measures are followed. The measures detailed under 'Storage' should be followed during handling in order to minimize risks to persons handling the product in the workplace. Avoid generating dusts.
<b>Storage:</b>	Store in cool, dry, well-ventilated area.
<b>Other Information:</b>	Wash hands thoroughly after use. Do not eat, drink or smoke whilst using this product.

## Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

<b>Exposure Limits:</b>	<b>Workplace Exposure Standards (WES):</b> Particulates not otherwise classified: Inhalable WES-TWA 10mg.m <sup>-3</sup>
<b>Protective Equipment:</b>	Dust mask, overalls, safety glasses and gloves. If dust is present wear goggles. Eye wash facilities should be available.
<b>Engineering Controls:</b>	Handle in well-ventilated area. Avoid inhalation of dust. Dust mask if dust is a nuisance. Use local extraction to control dusts.
<b>Hygiene Precautions:</b>	Do not eat, drink or smoke while using the product. Remove protective clothing and wash hands and face before meals and after work. Wash protective clothing daily after work. Contaminated clothing should not be allowed out of the workplace.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Grey semi granular product
<b>Format:</b>	Nodules
<b>Odour:</b>	Odourless
<b>Specific Gravity:</b>	No data
<b>Bulk Density</b>	1184 kg/m <sup>3</sup>
<b>pH:</b>	N/A
<b>Solubility in Water:</b>	Soluble
<b>Flash Point:</b>	N/A
<b>Melting Point:</b>	No data
<b>Boiling Point:</b>	No data

## Section 10: STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under recommended storage conditions
<b>Hazardous Polymerisation:</b>	Will not occur
<b>Hazardous Decomposition Products:</b>	Sulphur oxides, phosphorous oxide
<b>Conditions to Avoid:</b>	High humidity
<b>Materials to Avoid:</b>	None

### Section 11: TOXICOLOGICAL INFORMATION

<b>Hazard Classifications:</b>	6.1E, 6.3B, 6.4A
<b>Health Hazard Summary:</b>	Under normal conditions of use adverse health effects are not anticipated. This product is generally considered to be of low toxicity, however over exposure to any dust should be avoided. Use safe work practices to avoid direct eye contact or prolonged skin contact and dust generation or inhalation
<b>Ingestion:</b>	May cause nausea, vomiting, thirst and headache. In large quantities may cause disturbances in calcium metabolism.
<b>Inhalation:</b>	Irritant. Over exposure may result in irritation.
<b>Skin:</b>	May cause irritation
<b>Eye:</b>	Irritant
<b>Toxicity Data:</b>	No data

### Section 12: ECOLOGICAL INFORMATION

<b>Hazard Classifications:</b>	9.1D
<b>Ecotoxicity:</b>	Avoid washing excessive amounts into streams and waterways. Always use recommendations as outline in the NZ Fertiliser manufacturers' research association "Code of Practice for Fertiliser Use"

### Section 13: DISPOSAL INFORMATION

<b>Product Disposal:</b>	Observe any local authority restrictions that may apply. Collection into sealable containers and dispose of responsibly into an approved land fill. If practicable apply excess fertiliser at recommended rates to appropriate land.
<b>Container Disposal:</b>	Rinse containers thoroughly prior to reuse. Otherwise render unusable and dispose of responsibly according to waste management program on site.

### Section 14: TRANSPORT INFORMATION

<b>UN Number:</b>	None Allocated
<b>Proper Shipping Name:</b>	None Allocated
<b>DG Class:</b>	None Allocated
<b>Other Information:</b>	Not regulated for transport purposes. No special transport requirements necessary. It is good practise to separate this product from food, food related materials, animal feedstuffs or seed during transport.

## Section 15: REGULATORY INFORMATION

<b>Exposure Limits:</b>	See sections 8 and 12
<b>HSNO Approval Number:</b>	None found <u>HSNO Controls</u> Refer <i>ERMA User Guide to Controls</i> for full details
<b>Location Certification:</b>	Not required
<b>Tracking:</b>	Not required
<b>Approved Handlers:</b>	Not required

## Section 16: OTHER INFORMATION

This Safety Data Sheet was updated on the date shown and supersedes all previous versions.

The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material. The information is provided in good faith based on current knowledge and experience. No warranty with regard to the product properties is expressed or implied.

### Checked

Hazard Classification	EPA CCID	HMM
Identifiers	EPA CCID, Labelling of Hazardous Substances	HMM
Pictogram	EPA CCID, Labelling of Hazardous Substances	HMM