

Safety data sheet

Superphosphate

Morton Smith-Dawe
LIMITED



UPDATED: 15 April 2015

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

Product Name:	Superphosphate (Super)
Other Names:	Single Superphosphate, SSP
Recommended Use:	Fertiliser
Company Identification:	Morton Smith-Dawe Ltd
Address:	396 Wigram Road, Halswell, Christchurch PO Box 37-139, Halswell, Christchurch
Telephone Number:	03 3228117
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

Section 2: HAZARD IDENTIFICATION

Hazard Classifications:	6.1E, 6.3B, 6.4A, 9.1D	A red rectangular label with a white exclamation mark icon and the word "DANGER" in white capital letters.
Priority Identifiers:	DANGER KEEP OUT OF REACH OF CHILDREN	
Secondary Identifiers:	6.1E = May be fatal if swallowed and enters airways.	
	6.3B = Causes mild skin irritation.	
	6.4A = Causes serious eye irritation	
	9.1D = Slightly harmful to aquatic life.	



DANGER

Section 3: COMPOSITION INFORMATION

INGREDIENT	CAS No.	CONTENT
Major components (>10%)		
Calcium Sulphate	7778-18-9	50%
Calcium Phosphate Monobasic	7758-23-8	30%
Minor Components (1-10%)		
Water	7732-18-5	7%
Calcium Hexafluorosilicate	16925-39-6	4%
Calcium Phosphate Dibasic	7758-93-9	2%
Calcium Phosphate Tribasic	7758-87-4	2%

Section 4: FIRST AID MEASURES

First Aid Measures:	Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning.
Inhalation:	Remove patient to fresh air. Seek medical assistance if effects persist.
Ingestion:	Never give anything by mouth to an unconscious person. If swallowed rinse mouth. If large quantities are ingested give 1 or 2 glasses of water to dilute. Seek medical advice
Skin:	Wash affected area thoroughly with soap and water
Eye:	Flush with plenty of water for several minutes, holding eyelids open if necessary. Remove contact lenses if present and easy to do. Seek medical advice
Advice to Doctor:	Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Flash Point:	N/A (Non-flammable)
Combustion Products:	Sulphur oxides, phosphorous oxides.
Extinguishing Media:	Based on surrounding materials
Protective Equipment:	Breathing apparatus, goggles and protective gloves
HAZCHEM Code:	None Allocated

Section 6: ACCIDENTAL RELEASE MEASURES

Spills and Disposal:	Protect yourself and others from injury. Wear appropriate protective clothing. Contain spill and sweep up. Collect and place in sealable containers. Avoid generating dust. Reuse or recycle where possible.
Protective Clothing:	For appropriate personal protective equipment see section 8.
Environmental Precaution:	Avoid unintended release of excessive amounts into waterways or sewers

Section 7: HANDLING AND STORAGE

Handling:	Avoid generating dusts, do not breathe dusts. Approved Handler: Not required Tracking: Not required
Storage:	Store in cool, dry, well-ventilated area.
Precautionary Statements:	Keep out of the reach of children. Avoid unintended release into the environment. Wash hands thoroughly after handling

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits:	Workplace Exposure Standards (WES): Particulates not otherwise classified: Inspirable dust 10mg.m ⁻³ Respirable dust 3mg.m ⁻³
Protective Equipment:	Overalls, safety glasses and gloves. If dust is present wear dust mask and goggles. Eye wash facilities should be available.
Engineering Controls:	Handle in well-ventilated area. If dust generated use local extraction to control. Avoid inhalation of dust.
Hygiene Precautions:	Remove protective clothing and wash hands and face before meals and after work.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Grey or brown
Format:	Granule
Odour:	None
Specific Gravity:	N/A
Solubility in Water:	Partially soluble
Flash Point:	N/A
Bulk Density:	1150 kg/m ³
pH:	N/A
Melting Point:	N/A

Section 10: STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Hazardous Polymerisation:	Will not occur
Hazardous Decomposition Products:	Sulphur oxides, phosphorous oxide.
Conditions to Avoid:	No specific conditions.
Materials to Avoid:	No specific incompatibilities.

Section 11: TOXICOLOGICAL INFORMATION

Hazard Classifications:	6.1E, 6.3B, 6.4A
Ingestion:	Has diuretic effect. Over exposure may cause mucous membrane irritation and coughing.
Inhalation:	Irritant. Elevated exposure may result in mucous membrane irritation (nose & throat).
Skin:	Irritant. Prolonged and repeated skin exposure may result in irritation, skin rash and dermatitis.
Eye:	Irritant. Direct contact may result in lachrymation (tears), pain, redness and conjunctivitis.
Chronic Effects:	Not anticipated
Other Information:	Low toxicity, no adverse health effects expected under normal conditions
Toxicity Data:	LD50 (oral, rat)

Section 12: ECOLOGICAL INFORMATION

Hazard Classifications:	9.1D
Ecotoxicity:	Avoid unintended release into streams and waterways.

Section 13: DISPOSAL INFORMATION

Product Disposal:	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.
Container Disposal:	Rinse containers thoroughly prior to reuse. Otherwise render unusable and dispose of as waste.

Section 14: TRANSPORT INFORMATION

UN Number:	None Allocated
Proper Shipping Name:	None Allocated.
DG Class:	None Allocated
Other information:	Not regulated for transport purposes.

Section 15: REGULATORY INFORMATION

EPA	Approved pursuant to the HSNO Act 1996, Approval number HSR002808 See www.epa.govt.nz for approval controls.
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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.