



## SECTION 1: Identification of the substance and supplier

Product name: **MESA Proscape 51% 25-0-4.2**

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## SECTION 2: Hazards Identification

HSNO Classification: **WARNING**



Category 5: Harmful if inhaled.  
Category 2: Causes skin irritation.  
Category 2: Causes serious eye irritation.  
Category 3: May cause respiratory irritation.

## SECTION 3: COMPOSITION

Chemical Name	CAS No.	Weight (%)
Urea	57-13-6	25 - 30
Ammonium sulphate	7783-20-2	20 - 25
Methylene ureas	9011-05-6	20 - 25
Dolomite	16389-88-1	15 - 20
Potassium chloride	7447-40-7	5 - 10
IRON 50% F577 GRAN 4%S	8047-67-4	1 - 5
BIODAC 8/16 Paper Fibre	-	1 - 5
Urea	57-13-6	0.5 - 1
Unknown acute toxicity: <1% of the mixture consists of ingredients of unknown		

toxicity.

#### SECTION 4: Hazards Identification

**In case of poisoning by any route contact a doctor or Poisons Information Centre 0800POISON – 0800-764766.**

**Ingestion.** Do not give anything by mouth to unconscious person. Do not induce vomiting. Wash out mouth with water (if conscious). Seek medical assistance if needed.

**Eye.** Check for and remove contact lenses. Flush eyes with clean water for 15 minutes. Seek medical assistance if irritation persists.

**Skin.** Wash contaminated skin with soap and water. Remove contaminated clothing and wash before re-use. Seek medical assistance if irritation persists.

**Inhalation.** If inhaled and discomfort occurs, move to fresh air, and keep person at rest in a position comfortable for breathing. If difficulty in breathing occurs and/or persists, administer oxygen and get medical attention.

#### SECTION 5: Fire Fighting Measures

Dangerous Goods Class:	Not classed.
Extinguishing media:	Water spray, Foam, Dry chemical, CO <sub>2</sub>
Special Exposure Hazards:	Thermal decomposition can lead to release of irritating and toxic gases and vapours.
Fire and Explosive Properties:	May form hazardous decomposition products.
Protective Equipment:	Self contained breathing apparatus and chemical protective clothing should be used.
	Do not allow run off to enter water course and drains.

#### SECTION 6: Accidental Release Measures

In case of spill or leak: Control spill at source and prevent from spreading, especially waterways and drainage systems. Sweep up spills immediately observing precautions outlined in section 8 below. Wash spill areas if necessary but contain wash water. Place spilled material and wash water into disposal container, seal and arrange for disposal.

#### SECTION 7: Handling and Storage

Store material in well ventilated, secure area out of reach of children and domestic

animals. Do not store with food or drink. Wash thoroughly with soap and water after handling.

Incompatible Materials: Avoid strong acids or alkali, or other reactive substances.

## SECTION 8: Exposure Control/Personal Protection

Exposure Limits:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH*
Nuisance dusts for granulars	10 mg/m <sup>3</sup> TWA Total	15 mg/m <sup>3</sup> (TWA total) 50 mppcf TWA total) 5 mppcf (TWA respirable)	Not Established

\* IDLH refers to amounts that are "Immediately Dangerous to Life or Health.

Eye Protection: Where eye contact is possible, use face shield and goggles.

Inhalation: If inhalation is possible, wear a dust mask.

Protective Clothing: Wear suitable protective clothing depending on likely exposure e.g. overalls, gloves, boots.

Hygiene Protection: Do not eat, drink or smoke while working with this product.  
Remove clothing that becomes contaminated and wash before reuse. Wash hands before breaks and after work.

## SECTION 9: Physical and Chemical Properties

Physical State:	Mixed various coloured granules with slight odour.
pH:	Not applicable.
Melting point/freezing point	Not applicable
Boiling point / boiling range	Not applicable
Flash point	No information available
Evaporation rate	Not applicable
Flammability (solid, gas)	No information available
Flammability Limits in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor pressure	Not applicable
Vapor density	Not applicable
Water solubility	Mostly insoluble
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Oxidizing properties	Not particularly reactive

## SECTION 10: Stability and Reactivity

Stability:	Stable.
Reactivity:	Not reactive.
Conditions to Avoid:	High heat, sparks and open flames.
Materials to Avoid:	Strong acids and alkalis.
Hazardous Decomposition Products:	Toxic gases and vapours. such as nitrogen oxides, ammonia, oxides of sulphur, hydrogen chloride, carbon monoxide.
Hazardous Polymerisation:	Will not occur.

## SECTION 11: Toxicological Information

Routes of exposure: Ingestion, eyes (contact), skin (contact), dust inhalation.

Symptoms:

- May irritate the digestive tract if ingested in quantity, causing nausea, vomiting and diarrhoea.
- Eye irritation on contact with redness, tearing and burning sensation.
- Coughing, sneezing, or irritation of nose and throat.
- Redness, itching, or burning sensation on skin with prolonged contact.

Sensitization: No information available.

Germ cell mutagenicity: None known.

Carcinogenicity: None.

Reproductive toxicity: No information available.

STOT - single exposure: No information available

STOT - repeated exposure: No information available

Chronic toxicity: Yes

Target Organ Effects: Lungs - Nuisance dusts  
Heart, Kidney

Aspiration hazard: No information available

## SECTION 12: Environmental Information

No data available for this product.

Fertilizers may be harmful to aquatic life with short term effects, causing algal bloom and increased BOD, depending on the amount released.

Persistence and degradability: No information available.

Bioaccumulation No information available

Other adverse effects No information available

### SECTION 13: Disposal Considerations

**Product.** Use up according to label directions. Larger volumes (and spilled material) should be disposed of in an approved landfill.

**Containers.** Can be disposed of via approved landfills.

### SECTION 14: Transport Information

NMFC 68140-4 FERTILIZER COMPOUNDS (MANUFACTURED FERTILIZERS)  
NOI, DRY 20 OR GREATER PCF

### SECTION 15: Regulatory Information

HSNO APPROVAL CODE: HSR002571

HSNO Controls: See [www.epa.govt.nz](http://www.epa.govt.nz) for controls.

### SECTION 16: Other Information

Fertiliser for use in Turf and amenity areas.

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