



## MATERIAL SAFETY DATA SHEET

### STATEMENT OF HAZARDOUS NATURE

Not classified as hazardous according to the criteria of Worksafe Australia.

### COMPANY DETAILS

Company Scotts Australia Pty. Ltd.  
 Address 11 Columbia Way, Baulkham Hills, NSW, 2153  
 Telephone Number (02) 8853 7300  
 Fax (02) 8853 7310  
 Emergency Telephone Number Australia: 1800 033 111  
 New Zealand: 0800 734 607

### IDENTIFICATION

Product Name **Osmocote water soluble fertilizer (Acid Loving Plants)**  
 Other Names  
 Manufacturers Product Code 119025  
 UN Number **Not allocated**  
 Dangerous Goods Class Not a Dangerous Good  
 Sub-Risk Class N/A  
 Packaging Group N/A  
 Hazchem Code N/A  
 Poisons Schedule None  
 Uses Fertilizer

### Physical Description /Properties

Appearance & Odour Dark Green odourless granules  
 Melting point/softening point Unknown  
 Boiling Point Unknown  
 Vapour Pressure Unknown  
 Flashpoint Unknown  
 Flammability Limits Unknown  
 Solubility in Water Unknown  
 pH Unknown  
 Incompatibility Unknown  
 Specific Gravity Unknown  
 Bulk density Unknown  
 Volatile Proportion Unknown

### Ingredients

Ingredient	Chemical Name	CAS Number	Proportion
Active ingredients	Urea	57-13-6	
	Potassium Nitrate	7757-79-1	
	Monoammonium phosphate	7722-76-1	
	Magnesium sulphate	7789-75-5	
	Iron chelate		
	Zinc sulphate	7733-02-0	
	Manganese sulphate	7785-87-7	
	Boric acid	10043-35-3	
	Sodium Molybdate	7631-95-0	

**HEALTH HAZARD INFORMATION****Health Effects***Acute*

Swallowed Possible nausea, vomiting, diarrhea

Eye May cause eye irritation

Skin May cause skin irritation

Inhaled Prolonged or excessive inhalation may cause respiratory tract irritation.

*Chronic*

Ammonium nitrate is allergen. Prolonged or repeated direct contact with fertilizer may irritate eyes and skin. Prolonged exposure may cause weakness, depression, headache, mental impairment, anemia, and methemoglobinemia and kidney injury. Ingestion of high concentration of product can cause severe gastrointestinal irritation, muscular weakness and blue-tinged skin (cyanosis). Infants and children are especially at risk for cyanosis. Ingestion of large amounts may result in death. Inhalation of heavy concentration of manganese-containing dusts over very prolonged periods of exposure (usually 1 to 3 years) has been reported to cause damage to the central nervous system.

**First Aid**

Swallowed Never give anything by mouth to an unconscious or convulsing person. Have conscious person drink 1 to 2 glasses of water. Contact a physician.

Eye If in eyes, flush with water for 15 minutes holding eyelids open. Get medical attention if irritation persists.

Skin Wash with plenty of soap and water.

Inhaled Remove to fresh air. Treat symptomatically.

First Aid Facilities Eye wash unit, water, soap

**Advice to Doctor**

Medical conditions which may be aggravated by contact Skin abrasions and sores. Inhalation of dust may aggravate asthma.

**PRECAUTIONS FOR USE**

Exposure Standards	Exposure limits for the constituents of this product are as follows:		
	Constituent	OSHA PEL	ACGIH TLV
	Urea	None	None
	Nuisance Dust	15 mg/m <sup>3</sup> (total dust)	10 mg/m <sup>3</sup> (respirable)
Engineering Controls	Ensure ventilation is adequate and that air concentrations are controlled below quoted Exposure Standards. Avoid generating and inhaling dusts. Keep containers closed when not in use.		
Personal Protection	<u>Precautionary Measures:</u>		
	<u>Eye Protection:</u> Protective eye wear is normally not required when handling this product but is suggested to avoid eye contact.		
	<u>Skin Protection:</u> Although this material does not present a significant skin concern, minimise skin contamination by following good industrial practice. Wash hands and contaminated skin thoroughly after handling. Wear gloves if in regular contact.		
	<u>Respiratory Protection:</u> Respiratory protection should not be required for normal		

use/handling. Avoid breathing dust. If airborne dust levels are high, a dust mask is recommended to avoid inhalation. The respirator use limitations specified by the manufacturer must be observed. Respirators must be in compliance with AS/NZS 1715 and AS/NZS 1716.

Flammability

The product is not flammable.

### SAFE HANDLING INFORMATION

**Storage and Transport** Not classified as a Dangerous Good by the criteria of the Australian Dangerous Goods Code [ADG Code] or the criteria of the International Maritime Dangerous Goods Code [IMDG Code] or by the International Air Transport Association [IATA]. Avoid container breakage. Keep away from food, feed or feedstuffs. Avoid contact with skin, eyes or clothing. Wash after handling. Keep out of reach of children.

**Spills and Disposal** Sweep up spills and return to original container if product usable. If not usable dispose of at an approved waste disposal site.

**Fire/Explosion Hazard** Stability: This product is stable under normal conditions.

Hazardous polymerisation: Will not occur.

Conditions to avoid: None known.

Hazardous decomposition products: In a fire, thermal decomposition will generate ammonia, oxides of nitrogen, sulphur and carbon cyanuric acid and cyanic acid.

Chemical incompatibilities: None known

Unusual fire, explosion and reactivity hazards: If product consumed in a fire, toxic gases will form.

In case of fires: Use self-contained air supply.

Extinguishing media: Dry chemical, water fog, CO2, foam.

### OTHER INFORMATION

**Environmental Protection** Keep out of lakes, streams, ponds and other waterways.

**Animal Toxicity Data** None available.

**Bioaccumulation** Will not bioaccumulate.

**Degradation** Will degrade on contact with soil.

**APVMA registration no** Not Applicable

### CONTACT POINT

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