



## 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	<b>Osmocote water soluble fertiliser (General purpose)</b>
Other Names	
Manufacturers Product Code	119015, 119011, 119014, 119013
UN Number	<b>Not allocated</b>
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
Corrosiveness	Unknown

### Ingredients

Ingredient	Chemical Name	CAS Number	Proportion
Active ingredients	Urea	57-13-6	
	Potassium Nitrate	7757-79-1	
	Monoammonium phosphate	7722-76-1	
	Potassium Nitrate	7757-79-1	
	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, 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 damaged 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 limit standards for some of the constituents of this preparation are as follows:

<u>Constituent:</u>	<u>OSHA</u> <u>PEL</u>	<u>ACGIH</u> <u>TLV</u>
Manganese sulphate	5 mg/(Mn)m <sup>3</sup>	
Sodium Molybdate	5 mg/(Mo)m <sup>3</sup>	

Engineering Controls Use adequate ventilation to keep the airborne concentration of this material below the recommended exposure standard.

Personal Protection	<p><u>Work Clothing:</u> For normal handling wear long sleeve uniform or overalls.</p> <p><u>Eye Protection:</u> Where potential for dusting or direct eye contact exists, wear goggles or safety glasses. Eye wash facilities should be located nearby. Avoid contact with the eyes.</p> <p><u>Skin Protection:</u> Wear gloves handling this product.</p> <p><u>Respiratory Protection:</u> For dusting exposure wear a half face dust mask.</p> <p><u>Personal Hygiene:</u> Wash skin before eating, drinking or smoking.</p>
Flammability	High airborne dust concentrations have the potential for explosions.

<b>SAFE HANDLING INFORMATION</b>
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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	<p><u>Stability:</u> This product is stable under normal conditions.</p> <p><u>Hazardous polymerisation:</u> Will not occur.</p> <p><u>Conditions to avoid:</u> None known.</p> <p><u>Hazardous decomposition products:</u> In a fire, thermal decomposition will generate ammonia, oxides of nitrogen, sulphur and carbon cyanuric acid and cyanic acid. <u>Chemical incompatibilities:</u> None known</p> <p><u>Unusual fire, explosion and reactivity hazards:</u> If product consumed in a fire, toxic gases will form.</p> <p><u>In case of fires:</u> Use self-contained air supply.</p> <p><u>Extinguishing media:</u> Dry chemical, water fog, CO<sub>2</sub>, foam.</p>
Storage and Transport	<p>Osmocote Water Soluble Fertiliser (General Purpose) is not classified as a Dangerous Good under the Australian Code.</p> <p>Store in the original container in a cool, dry, well-ventilated location. Keep out of the reach of children and animals. Do not locate near or contaminate food or feed by storage or disposal.</p>
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. After cleaning up spills flush area with water.
Fire/Explosion Hazard	<p><u>Stability:</u> This product is stable under normal conditions.</p> <p><u>Hazardous polymerisation:</u> Will not occur.</p> <p><u>Hazardous decomposition products:</u> Oxides of manganese, sulphur and zinc are possible.</p> <p><u>Chemical incompatibilities:</u> None known</p> <p><u>Unusual fire, explosion and reactivity hazards:</u> Can emit toxic sulphur, manganese and zinc oxides when heated to decomposition. High airborne dust concentrations have the potential for explosion.</p> <p><u>In case of fires:</u> Use self-contained air supply.</p> <p><u>Extinguishing media:</u> Use medium suitable for surrounding fire.</p>

**OTHER INFORMATION**

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

Animal Toxicity Data None available.

APVMA Registration No. Not relevant for this product.

**CONTACT POINT**

Emergency Response for Transport and Exposure  
Australia: 1800 033 111  
New Zealand: 0800 734 607

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