



Safety Data Sheet

MSDS No.	120100	Issue Date:	October 2015	Page:	1 of 4
Product Name:	OSMOCOTE PLUS ORGANICS ALL PURPOSE PLANT FOOD			Version:	2.0

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER		
Product name	OSMOCOTE PLUS ORGANICS ALL PURPOSE PLANT FOOD	
Other name/s	No synonyms	
Product code/s	120100, 120300, 120860	
Recommended use	Fertiliser	
Manufacturer	SCOTTS AUSTRALIA PTY LTD	
Address	Australia: Building E, Level 2 32 Lexington Drive Bella Vista NSW 2153	
Telephone	(02) 8602 9000	
Emergency telephone	1800 033 111 (24 hour)	
2. HAZARDS IDENTIFICATION		
Hazard classification	Australia: Not classified as hazardous according to Safe Work criteria. Not classified as dangerous goods according to the ADG Code.	
3. COMPOSITION/INFORMATION ON INGREDIENTS		
Name	CAS	Concentration
Urea	57-13-6	10-30%
Ammonium nitrate	6484-52-2	0-10%
Iron sulphate	7720-78-8	1-10%
Calcium sulphate	7778-18-9	1-5%
Sulphuric acid	7664-93-9	0-0.5%
Ammonia	7664-41-7	0-0.3%
Copper sulphate	7758-98-7	0-0.1%
Zinc sulphate	7733-02-0	0-0.1%
Manganese (II) sulphate monohydrate	7785-87-7	0-0.1%
Sodium tetraborate decahydrate	1303-96-4	0-0.1%
Other ingredients determined not to be hazardous	-	Balance to 100%
4. FIRST AID MEASURES		
Inhalation	If prolonged inhalation of dust occurs, remove from contaminated area. Apply artificial respiration if not breathing. If symptoms develop seek medical attention.	
Ingestion	Wash out mouth with water. If irritation develops and persists seek medical attention.	
Skin	Wash affected area with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.	
Eye	If contact with eye(s) occurs, wash with copious amounts of water holding eyelids open. Take care not to rinse contaminated water into the non-affected eye. If symptoms persist seek medical attention.	
First aid facilities	Normal wash room facilities.	
Advice to doctor	Treat symptomatically.	
5. FIRE FIGHTING MEASURES		
Suitable extinguishing media	Carbon dioxide, dry chemical, foam, water mist or water spray.	
Specific hazards arising from the chemical	Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide. This product is non-combustible. However heating can cause expansion or decomposition leading to violent rupture of containers.	
Special protective precautions and equipment for fire fighters	Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode.	



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6. ACCIDENTAL RELEASE MEASURES					
Emergency procedures	Sweep up material avoiding dust generation or dampen spilled material with water to avoid airborne dust, and then transfer material to a suitable container. Use absorbent paper dampened with water to pick up remaining water. Wash surfaces well with soap and water. Seal all wastes in vapour-tight labelled plastic container for disposal. Dispose of waste according to federal, Environmental Protection Authority and state regulations. If the spillage enters waterways, contact the EPA or local waste management authority.				
7. HANDLING AND STORAGE					
Precautions for safe handling	Avoid generating dust. Ensure a high level of personal hygiene is maintained when using this product. That is, always wash hands before eating, drinking, smoking or using the toilet.				
Conditions for safe storage	Store in a cool dry place out of the reach of children. Keep containers closed when not in use. Store in original container or other suitable, labelled containers.				
8. EXPOSURE CONTROLS/PERSONAL PROTECTION					
National exposure standards	Safe Work Australia Exposure Standards:				
	Substance	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
	Calcium sulphate	-	10	-	-
	Sodium tetraborate decahydrate	-	5	-	-
	Sulfuric acid	1	3	-	-
	Ammonia	25	17	35	24
	The exposure standard for dust not otherwise specified is 10mg/m ³ for inspirable dust and 3mg/m ³ for respirable dust. The limit applies to both Australia and New Zealand.				
Biological limit Values	None allocated.				
Engineering controls	Use with good general ventilation. If dusts are produced local exhaust ventilation should be used.				
Respiratory protection	Not required. During industrial applications: where ventilation is inadequate the use of an Air Purifying Respirator with organic vapour filter complying with AS/NZS 1715 and AS/NZS 1716 is recommended.				
Skin protection	Where skin contact is likely to be prolonged or repeated impervious PVC or nitrile rubber gloves are recommended. Overalls or similar protective clothing should be worn.				
Eye protection	Not normally required. During industrial applications: the use of chemical goggles or safety glasses with side shield protection is recommended. Eye protection should conform AS/NZS 1337- Eye Protectors for Industrial Applications.				
9. PHYSICAL AND CHEMICAL PROPERTIES					
Appearance	Brown and tan granules and pellets.				
Odour	Not available				
pH	Not available				
Melting point/freezing point	Not available				
Boiling point	Not applicable				
Flashpoint	Not applicable				
Flammability	Not available				
Upper/lower flammability limits	Not available				
Solubility	Coating not soluble, release nutrients through coating.				
Bulk density/specific gravity	Not available				
10. STABILITY AND REACTIVITY					
Reactivity	No information available.				
Chemical stability	Stable under normal conditions of storage.				
Conditions to avoid	Heat, direct sunlight, open flames and other sources of ignition.				
Incompatible	Combustibles				



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materials and possible hazardous reactions	
Hazardous decomposition products	No decomposition if stored correctly. Hazardous decomposition products may include poisonous gases/vapours.
11. TOXICOLOGICAL INFORMATION	
General	No toxicity data available for the mixture.
Inhalation	Inhalation of dust may cause irritation of mucous membrane and upper airways.
Ingestion	Not a likely source of exposure. May cause irritation to the mouth, oesophagus and stomach.
Skin	Skin contact may cause mechanical irritation resulting in redness and itching.
Eye	Eye contact may cause mechanical irritation resulting in redness and itching.
Chronic effects	No information available.
12. ECOLOGICAL INFORMATION	
Ecotoxicity	No information available.
Persistence and degradability	No information available.
Bioaccumulative potential	No information available.
Mobility in soil	No information available.
Environmental protection	Do not allow product or empty container to contaminate drains, streams or other waterways.
13. DISPOSAL CONSIDERATIONS	
Safe handling and disposal methods	The disposal of spilled or waste material must be done in accordance with applicable local and national regulations.
Disposal of contaminated packaging	Dispose of empty packaging by putting in household garbage or as industrial waste in accordance with local and national waste disposal regulations.
14. TRANSPORT INFORMATION	
Transport information	ADG Code: Not classified as dangerous goods IMDG Code: Classified as dangerous goods IATA Regulations: Classified as dangerous goods
U.N. number	2071
Proper shipping name	AMMONIUM NITRATE BASED FERTILIZER
Hazard class	9
Packing group	III
Hazchem code	1Z
EPG number	9E1
15. REGULATORY INFORMATION	
Safety, health and environmental regulations	Not classified as hazardous according to the criteria of Safe Work Australia.
Poisons schedule number	Not classified as a scheduled poison.
16. OTHER INFORMATION	
Date of preparation or last revision of SDS	SDS Created: October 2015
Key abbreviations	ADG Code: Australian Code for the Transport of Dangerous Goods by Road & Rail



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and acronyms used

GHS: Globally Harmonized System of Classification and Labelling
HSNO: New Zealand Hazardous Substances and New Organisms legislation.
IATA: International Air Transport Association
IMDG: International Maritime Dangerous Goods Code
NZS5433: New Zealand Standard- Transport of Dangerous Goods on Land.
UN: United Nations