



# Safety Data Sheet

MSDS No.	120110	Issue Date:	October 2015	Page:	1 of 4
Product Name:	<b>OSMOCOTE PLUS ORGANICS ROSES, GARDENIAS &amp; AZALEAS PLANT FOOD</b>			Version:	2.0

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product name</b>	OSMOCOTE PLUS ORGANICS ROSES, GARDENIAS & AZALEAS PLANT FOOD
<b>Other name/s</b>	No synonyms
<b>Product code/s</b>	120110, 120310
<b>Recommended use</b>	Fertiliser
<b>Manufacturer</b>	SCOTTS AUSTRALIA PTY LTD
<b>Address</b>	Australia: Building E, Level 2 32 Lexington Drive Bella Vista NSW 2153
<b>Telephone</b>	(02) 8602 9000
<b>Emergency telephone</b>	1800 033 111 (24 hour)

## 2. HAZARDS IDENTIFICATION

<b>Hazard classification</b>	<b>Australia:</b> Not classified as hazardous according to Safe Work criteria. Not classified as dangerous goods according to the ADG Code.
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## 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

<b>Inhalation</b>	If prolonged inhalation of dust occurs, remove from contaminated area. Apply artificial respiration if not breathing. If symptoms develop seek medical attention.
<b>Ingestion</b>	Wash out mouth with water. If irritation develops and persists seek medical attention.
<b>Skin</b>	Wash affected area with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.
<b>Eye</b>	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.
<b>First aid facilities</b>	Normal wash room facilities.
<b>Advice to doctor</b>	Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Carbon dioxide, dry chemical, foam, water mist or water spray.
<b>Specific hazards arising from the chemical</b>	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.
<b>Special protective precautions and equipment for fire fighters</b>	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

<b>Emergency procedures</b>	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.
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## 7. HANDLING AND STORAGE

<b>Precautions for safe handling</b>	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.
<b>Conditions for safe storage</b>	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

<b>National exposure standards</b>	Safe Work Australia Exposure Standards:																													
	<table border="1"> <thead> <tr> <th rowspan="2">Substance</th> <th colspan="2">TWA</th> <th colspan="2">STEL</th> </tr> <tr> <th>ppm</th> <th>mg/m<sup>3</sup></th> <th>ppm</th> <th>mg/m<sup>3</sup></th> </tr> </thead> <tbody> <tr> <td>Calcium sulphate</td> <td>-</td> <td>10</td> <td>-</td> <td>-</td> </tr> <tr> <td>Sodium tetraborate decahydrate</td> <td>-</td> <td>5</td> <td>-</td> <td>-</td> </tr> <tr> <td>Sulfuric acid</td> <td>1</td> <td>3</td> <td>-</td> <td>-</td> </tr> <tr> <td>Ammonia</td> <td>25</td> <td>17</td> <td>35</td> <td>24</td> </tr> </tbody> </table>	Substance	TWA		STEL		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	Calcium sulphate	-	10	-	-	Sodium tetraborate decahydrate	-	5	-	-	Sulfuric acid	1	3	-	-	Ammonia	25	17	35	24
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<b>Biological limit Values</b>	The exposure standard for dust not otherwise specified is 10mg/m <sup>3</sup> . None allocated.																													
<b>Engineering controls</b>	Use with good general ventilation. If dusts are produced local exhaust ventilation should be used.																													
<b>Respiratory protection</b>	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.																													
<b>Skin protection</b>	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.																													
<b>Eye protection</b>	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

<b>Appearance</b>	Brown and tan granules and pellets.
<b>Odour</b>	Not available
<b>pH</b>	Not available
<b>Melting point/freezing point</b>	Not available
<b>Boiling point</b>	Not applicable
<b>Flashpoint</b>	Not applicable
<b>Flammability</b>	Not available
<b>Upper/lower flammability limits</b>	Not available
<b>Solubility</b>	Coating not soluble, release nutrients through coating.
<b>Bulk density/specific gravity</b>	Not available

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	No information available.
<b>Chemical stability</b>	Stable under normal conditions of storage.
<b>Conditions to avoid</b>	Heat, direct sunlight, open flames and other sources of ignition.
<b>Incompatible</b>	Combustibles





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<b>Key abbreviations and acronyms used</b>	ADG Code: Australian Code for the Transport of Dangerous Goods by Road & Rail 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
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