



Safety Data Sheet

MSDS No.	118320	Issue Date:	November 2017	Page:	1 of 5
Product Name:	OSMOCOTE LIQUID FERTILISER BOOST & FEED ROSES (HOSE-ON)			Version:	1.0

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product identifier	OSMOCOTE LIQUID FERTILISER BOOST & FEED ROSES (HOSE-ON)		
Other means of identification	-		
Recommended use and restrictions on use	Liquid fertiliser		
Supplier name	SCOTTS AUSTRALIA PTY LTD		
Address	Australia: Building E, Level 2 32 Lexington Drive Bella Vista NSW 2153	New Zealand: Level 4 152 Fanshawe St Auckland 1140	
Telephone	(02) 8602 9000	0800 449 213	
Emergency telephone	1800 033 111 (24 hour)	0800 734 607 (24 hour)	

2. HAZARDS IDENTIFICATION

Hazard classification	Australia: Not classified as hazardous according to the GHS criteria of Safe Work Australia.
	PREVENTION P262: Do not get in eyes, on skin, or on clothing. P281: Use personal protective equipment as required.
	RESPONSE P363: Wash contaminated clothing before reuse. P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P309+P311 If exposed or if you feel unwell: Call a POISON CENTRE or doctor/physician. P370+P378: Not combustible. Use extinguishing media suited to burning materials.
	STORAGE P410: Protect from sunlight. P403+P233: Store in a well-ventilated place. Keep container tightly closed.
	DISPOSAL P501: If they cannot be recycled, dispose of contents to an approved waste disposal plant and containers to landfill (see Section 13 of this SDS).

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS	Concentration
Various- non-hazardous ingredients	-	100%

4. FIRST AID MEASURES

General information	You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 11 26 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.
Inhalation	No first aid measures normally required. However, if inhalation has occurred, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.
Skin contact	Wash gently and thoroughly with water (use non-abrasive soap if necessary) for 5 minutes or until chemical is removed.



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Eye contact	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water while holding the eyelid(s) open. Obtain medical attention if irritation persists. Take special care if exposed person is wearing contact lenses
Ingestion	If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media	Not combustible. Use extinguishing media suited to surrounding fire.
Specific hazards arising from the chemical	The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.
Special protective equipment and precautions for fire fighters	When fighting fires involving significant quantities of this product, wear a splash suit complete with self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Eye/face protective equipment should comprise, as a minimum, protective glasses and, preferably, goggles. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.
Environmental precautions	Spills, rinse water and clean-up material from entering drains, sewers, streams and other waterways.
Methods and materials for containment and cleanup	Stop leak if safe to do so, and contain spill. Soak up spilled chemical with absorbent material such as sand, cat litter, etc. Sweep up and shovel or collect into labelled containers for prompt disposal. Consider vacuuming if appropriate. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal.

7. HANDLING AND STORAGE

Precautions for safe handling	Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace
Conditions for safe storage including incompatibilities	Store packages of this product in a cool place. Keep containers dry and away from water. Keep containers of this product in a well ventilated area. Protect this product from light. Check packaging - there may be further storage instructions on the label.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National exposure standards	Exposure limits have not been established by SWA for this product.
Biological monitoring	Not required for this material.



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General	The following Australian Standards will provide general advice regarding safety clothing and equipment: Respiratory equipment: AS/NZS 1715 , Protective Gloves: AS 2161 , Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: AS1336 and AS/NZS 1337 , Occupational Protective Footwear: AS/NZS2210 .
Appropriate engineering controls	This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels. If necessary, use a fan or exhaust extraction system.
Respiratory Protection	Respiratory protection is not normally required for handling this product.
Skin protection	If you believe you may have a sensitisation to this product or any of its declared ingredients, you should prevent skin contact by wearing impervious gloves, clothes and, preferably, apron. Make sure that all skin areas are covered. See below for suitable material types.
Eye and face protection	Eye protection is not normally necessary when this product is being used. However, if in doubt, wear suitable protective glasses or goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Brown liquid
Odour	No information available
Odour threshold	No information available
pH	<4
Melting point/ freezing point	No information available
Boiling point	No information available
Flashpoint	No information available
Evaporation rate	No information available
Flammability	No information available
Upper/lower flammability limits	No information available
Vapour pressure	No information available
Vapour density (Air=1)	No information available
Solubility	Soluble
Bulk density/specific gravity	No information available

10. STABILITY AND REACTIVITY

Reactivity	This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.
Incompatible materials and possible hazardous reactions	No particular incompatibilities.
Conditions to avoid	This product should be kept in a cool place, preferably below 30°C. Containers should be kept dry. Keep containers and surrounding areas well ventilated. Protect this product from direct sunlight.
Hazardous decomposition products	Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. May form nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmospheres. May form oxides of sulphur



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(sulphur dioxide is a respiratory hazard) and other sulphur compounds. Most will have a foul odour. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

11. TOXICOLOGICAL INFORMATION

Inhalation	Short Term Exposure: Inhalation of liquid mists (bioaerosols) may irritate, inflame or sensitise the nose, throat and lungs. May aggravate pre-existing conditions such as pneumonia and bronchitis. Long Term Exposure: No long term exposure information available.
Acute toxicity	Short Term Exposure: Significant oral exposure is considered to be unlikely. This product, while believed not to be harmful, may cause headache and gastric disturbance such as nausea and vomiting if ingested in significant quantities. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort. Long Term Exposure: No data for health effects associated with long term ingestion.
Skin corrosion/irritation	Short Term Exposure: Product may be irritating, but is unlikely to cause anything more than mild transient discomfort. Long Term Exposure: No data for health effects associated with long term skin exposure.
Serious eye damage/irritation	Short Term Exposure: May cause eye irritation and discomfort. If exposure is minor or brief, no long term effects should result. Long Term Exposure: No data for health effects associated with long term eye exposure.
Chronic effects	Chronic Effects: Direct contact and repeated inhalation liquid mists from these products may cause skin irritation or infection, respiratory irritation, inflammation or sensitisation of the nose, throat and lungs. Children, pregnant women, the elderly, people with pre-existing conditions or the immuno-compromised may be at a particular risk if exposed to these products. All people working with these and other horticultural and landscaping products should safeguard themselves from tetanus.
Respiratory or skin sensitisation	This material has not been classified as a respiratory or skin sensitizer.
Germ cell mutagenicity	This material has not been classified as a mutagen.
Carcinogenicity	This material has not been classified as a carcinogen.
Reproductive toxicity	This material has not been classified as a reproductive toxicant.
Specific target organ toxicity (STOT)- single exposure	This material has not been classified as a target organ toxicant.
Specific target organ toxicity (STOT)- repeated exposure	This material has not been classified as a target organ toxicant.
Aspiration hazard	This material has not been classified as an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Insufficient data to be sure of status. Expected to not be a significant environmental hazard.
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Persistence and degradability	Insufficient information available.
Bioaccumulative potential	Insufficient information available.
Mobility in soil	Insufficient information available.
Other adverse effects	Insufficient information available.

13. DISPOSAL CONSIDERATIONS

Safe handling and disposal methods	This product may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. If neither of these options is suitable in-house, consider controlled incineration, or contact a specialist waste disposal company.
Disposal of contaminated packaging	Household quantities of contaminated packaging should be disposed of in household kerbside collection. Industrial quantities should be dealt with as industrial waste under applicable laws.
Environmental regulations	Disposal of product and empty packaging must always be in accordance with applicable environmental protection legislation.

14. TRANSPORT INFORMATION

Transport information	ADG Code: Not classified as dangerous goods
	NZS5433:2007: Not classified as dangerous goods
	IMDG Code: Not classified as dangerous goods
	IATA Not classified as dangerous goods
	Regulations:

15. REGULATORY INFORMATION

Safety, health and environmental regulations	Not a scheduled poison.
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16. OTHER INFORMATION

Date of preparation or last revision of SDS	SDS Created: November 2017.
Key abbreviations and acronyms used	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. SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons UN: United Nations