

Section 1 - Identification of the Material and Supplier

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Chemical nature: Fertiliser

Trade Name: **Osmocote Plus Trace Elements Vegetable, Tomato, Herb & Garden Beds**

Product Code: 118145, 118245, 118545, 118645, 118745, 118586

Product Use: Fertiliser

Creation Date: **September, 2019** and is valid for 5 years from this date.

This version issued: **September, 2019**

Poisons Information Centre: Phone 13 11 26 from anywhere in Australia

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as Hazardous according to the criteria of Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

GHS Signal word: **WARNING**

HAZARD STATEMENT:

H272: May intensify fire; oxidiser

H319: Causes serious eye irritation

Pictogram (s)



PRECAUTIONARY STATEMENT - PREVENTION

P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

P220: Keep/Store away from clothing/combustible materials.

P221: Take any precaution to avoid mixing with combustibles.

P264: Wash contaminated skin thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

PRECAUTIONARY STATEMENT - RESPONSE

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice.

P370+P378: In case of fire: Use dry chemical, CO₂, water spray or "alcohol" foam for extinction.

DISPOSAL

P501: Dispose of contents/container to an approved waste disposal plant.

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Proportion / Conc, %
Ammonium nitrate	6484-52-2	10 - < 20%
Other non hazardous ingredients		to 100 %

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Section 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: If inhaled, remove the affected person from the contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

Skin Contact: Quickly and gently brush away excess particles. Wash gently and thoroughly with soap and water (use non-abrasive soap if necessary). If symptoms develop and/or persist seek medical attention.

Eye Contact: If in eyes, immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 minutes or until the product is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Seek immediate medical attention. Take special care if exposed person is wearing contact lenses (remove contact lenses).

Ingestion: If product is swallowed or gets in mouth, do NOT induce vomiting; wash out mouth with water. Seek immediate medical attention.

Advice to Doctor: Treat symptomatically.

Section 5 - Fire Fighting Measures

Extinguishing Media: In case of fire, coordinate fire extinguishing measures to fire in surrounding area. Dry chemical, CO₂, water spray or "alcohol" foam.

Unsuitable Extinguishing Media: Do not use water jet.

Hazards from Combustion Products: Non-combustible material. Decomposes on heating. Thermal decomposition may produce toxic oxides of carbon, nitrogen.

Specific Hazards Arising from The Chemical: Oxidising. Contact with combustible material may cause fire. Non-combustible, but may support the combustion of other materials. High airborne dust concentrations have the potential for explosions.

Hazchem Code: 1Z

Decomposition Temperature: No data.

Precautions in Connection with Fire: Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. In case of fire the product may be violently or explosively reactive. Use water spray to disperse vapours. This product should be prevented from entering drains and watercourses.

Section 6 - Accidental Release Measures

Accidental release: Increase ventilation. Evacuate all unprotected personnel. Wear sufficient respiratory protection and full protective clothing to prevent exposure.

Sweep up material avoiding dust generation or dampen spilled material with water to avoid airborne dust, then transfer material into a suitable container. Wash surfaces well with soap and water. Seal all wastes in labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform local water and waste management authorities in accordance with local regulations.

Section 7 - Handling and Storage

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Avoid inhalation of dust, and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build-up of dust in the work atmosphere. Maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking, smoking, or using toilet facilities.

Storage: Store in a cool, dry, well-ventilated area, out of direct sunlight and moisture. Store in suitable, labelled containers. Keep containers tightly closed. Store away from incompatible materials. Ensure that storage conditions comply with applicable local and national regulations.

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Section 8 - Exposure Controls and Personal Protection

Occupational Exposure Limit Values: No exposure standards have been established for the mixture. However, over-exposure to some chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels.

Biological Limit Values: No biological limits allocated.

Appropriate Engineering Controls: This substance is hazardous and should be used with a local exhaust ventilation system, drawing solid/dust away from the workers' breathing zone. If the engineering controls are not sufficient to maintain concentrations of particulates below the exposure standards, suitable respiratory protection must be worn.

Respiratory Protections: If the engineering controls are not sufficient in controlling airborne exposure then an approved respirator with a replaceable dust/particulate filter should be used. Refer to the relevant regulations for further information concerning respiratory protective requirements.

Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection: Safety glasses with side shields, chemical goggles, or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances.

Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 (series) – Eye Protectors for Industrial Applications.

Skin Protection: Wear impervious gloves, suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended when large quantities are handled.

Reference should be made to AS/NZS 2161.1: occupational protective gloves – Selection, Use and Maintenance.

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	Brown, black and blue granules
Odour:	Slightly sweet to sweet odour.
Boiling Point:	Not available.
Freezing/Melting Point:	No specific data. Solid at normal temperatures.
Volatiles:	No data.
Vapour Pressure:	No data.
Vapour Density:	No data.
Specific Gravity:	No data.
Water Solubility:	Partially soluble.
pH:	No data.
Volatility:	No data.
Odour Threshold:	No data.
Evaporation Rate:	No data.
Coeff Oil/water Distribution:	No data.
Viscosity:	No data.
Autoignition temp:	No data.
Flash Point:	Decomposes on heating
Flammability:	Oxidizing Solids

Section 10 - Stability and Reactivity

Reactivity: Reacts with incompatible materials.

Chemical Stability: Stable under normal storage conditions.

Conditions to Avoid: For quality reasons: This product should be kept in a cool place, preferably below 30°C. Keep containers tightly closed. Keep away from sources of sparks or ignition. Protect this product from light.

Incompatibilities: Strong oxidising agents.

Fire Decomposition Products: Thermal decomposition may produce toxic oxides of carbon, nitrogen.

Possibility of Hazardous Reactions: Not available.

Polymerisation: Not expected to occur.

Section 11 - Toxicological Information

Toxicology Information: No toxicity data is available for this material.

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Ingestion: Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

Inhalation: Inhalation of this product may irritate the respiratory system.

Irritation/Corrosion:

- Skin:** Skin contact may cause mechanical irritation resulting in redness and itching.
Eyes: Causes serious eye irritation. On eye contact this product will cause tearing, stinging, blurred vision and redness.
Respiratory: May cause respiratory irritation

Sensitisation:

- Skin:** Not expected to be a skin sensitiser
Respiratory: Not expected to be a skin sensitiser

Mutagenicity

Conclusion/Summary: Not considered to be a mutagenic hazard

Carcinogenicity

Conclusion/Summary: Not considered to be a carcinogenic hazard

Reproductive toxicity

Conclusion/Summary: Not considered to be toxic to reproduction

Specific target organ toxicity (single exposure)

Not available. Not expected to cause toxicity to a specific target organ.

Specific target organ toxicity (repeated exposure)

Not available. Not expected to cause toxicity to a specific target organ.

Aspiration hazard

Not available. Not expected to be an aspiration hazard.

Section 12 - Ecological Information

Ecotoxicity: No ecological data available for this material. Keep out of lakes, streams, or ponds.

Environmental Protection: Do not discharge this material into waterways, drains and sewers.

Section 13 - Disposal Considerations

Disposal: This product, spilled or waste material must be done in accordance with applicable local and national regulations.

Section 14 - Transport Information

Transport Information

This material is classified as Dangerous Goods Class 9 Miscellaneous Dangerous Goods.

Class 9: Miscellaneous substances Dangerous Goods are incompatibility in a placard load with any of the following:

Class 1: Explosives (when the Class 9 substance is a fire risk substance) Division 5.1: Oxidising substances (when the Class 9 substance is a fire risk substance) and Division 5.2: Organic peroxides (when the Class 9 substance is a fire risk substance)

Marine Transport (IMO/IMDG)

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Class/Division: 9

UN Number: 2071

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Proper Shipping Name: AMMONIUM NITRATE BASED FERTILIZER**Packing Group:** III**EMS:** F-H, S-Q**Special Provisions:** 193**Air Transport (ICAO/IATA)**Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA)
Dangerous Goods Regulations for transport by air.**Class/Division:** 9**UN Number:** 2071**Proper Shipping Name:** AMMONIUM NITRATE BASED FERTILIZER**Packing Group:** III**Packing Instruction (passenger & cargo):** 958**Packing Instruction (cargo):** 958**Hazard Label:** Miscellaneous**Special Provisions:** A90**UN Number:** 2071**UN Proper Shipping Name:** AMMONIUM NITRATE BASED FERTILIZER**Transport Hazard Class(es):** 9**Packing Group:** III**Hazchem Code:** 1Z**IERG Number:** 50**IMDG Marine pollutant:** No**Transport in Bulk:** Not available**Special Precautions for User:** Not available**Section 15 - Regulatory Information****Regulatory Information:** This product is classified as Hazardous according to the criteria of Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Section 16 - Other Information**This SDS contains only safety-related information. For other data see product literature.**

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (May 2018)

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