

Section 1 - Identification of the Material and Supplier

Chemical nature: Organic fertiliser
Trade Name: **Blood & Bone**
Product Use: Organic nutrient for the home garden
Supplier: **Amgrow Pty Ltd**
3/29 Birnie Ave, Lidcombe NSW 2141
Phone: 02 9395 1200 (office hours) Fax: 02 4729 3037
www.amgrow.com.au

This version issued: **April 2016** and is valid for 5 years from this date

Section 2 - Hazards Identification

Statement of Hazardous Nature

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO THE CRITERIA OF SWA.
NOT A DANGEROUS GOOD ACCORDING TO AUSTRALIAN DANGEROUS GOODS (ADG) CODE,
IATA OR IMDG/IMSBC CRITERIA.

Risk Phrases: Not Hazardous - No criteria found.

Safety Phrases: S23, S36, S24/25. Do not breathe dusts. Wear suitable protective clothing. Avoid contact with skin and eyes.

SUSMP Classification: None allocated.

UN Number: None allocated

GHS Signal word: NONE. Not hazardous.

PREVENTION

P102: Keep out of reach of children.

P262: Do not get in eyes, on skin, or on clothing.

P281: Use personal protective equipment as required.

RESPONSE

P353: Rinse skin or shower with water.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P370+P378: Not combustible. Use extinguishing media suited to burning materials.

STORAGE

P402+P404: Store in a dry place. Store in a closed container.

DISPOSAL

P501: Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

Emergency Overview

Physical Description & Colour: Fine brown powder

Odour: Pungent organic odour

Major Health Hazards: no significant risk factors have been found for this product.

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	TWA (mg/m³)	STEL (mg/m³)
Meat Meal			
Calcium Phosphate (Bone)	7757-93-9	not set	not set
Calcium Sulfate Dihydrate (Gypsum)	77030-59-2	not set	not set

The material can contain a variety of living micro-organisms, including bacteria, fungi and protozoa.

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Issued by: Amgrow Pty Ltd

Phone: 02 9395 1200 (office hours)

Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information: You should call The Poisons Information Centre if you feel that you may have been poisoned, or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this MSDS with you when you call.

Inhalation: Remove from contaminated area. Clear nasal and respiratory passages by encouraging patient to blow nose to ensure clear breathing passages. Rinse mouth with water. Seek immediate medical attention if irritation exists.

Skin Contact: Immediately remove all contaminated clothing including footwear. If product gets on skin, thoroughly wash contacted areas. If irritation occurs or persists, seek medical advice.

Eye Contact: If product comes into contact with eyes, flush with lukewarm, gently flowing water for at least 15 minutes. Seek medical advice if irritation persists or recurs.

Ingestion: Do not induce vomiting. Rinse mouth with water, then provide liquid slowly and as much as casualty can comfortably drink. Seek medical advice.

Advice to Doctor: Treat symptomatically, note nature of product

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Fire decomposition may emit toxic fumes of Carbon dioxide and oxides of phosphorus

Extinguishing Media: Not combustible. Use extinguishing media suited to burning materials.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade.

Flash point: Does not burn.

Upper Flammability Limit: Does not burn.

Lower Flammability Limit: Does not burn.

Auto ignition temperature: Not applicable - does not burn.

Flammability Class: Does not burn.

Section 6 - Accidental Release Measures

Accidental release: In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, goggles and gloves should be worn. Suitable materials for protective clothing include rubber, PVC. If there is a significant chance that dusts are likely to build up in the cleanup area, it is recommended that you use a respirator.

Sweep up and shovel or collect recoverable product for recycling or salvage. If a significant quantity of material enters drains, advise emergency services. This material is suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal.

Section 7 - Handling and Storage

Handling: Check Section 8 of this MSDS 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.

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Storage: Keep away from extreme heat and open flames in a well ventilated, dry space. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Check packaging - there may be further storage instructions on the label.

Section 8 - Exposure Controls and Personal Protection

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**.

SWA Exposure Limits **TWA (mg/m³)** **STEL (mg/m³)**

Exposure limits have not been established by SWA for any of the significant ingredients in this product.

Personal Protection

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: Ensure adequate ventilation in working area so that exposure to dust is kept to a minimum.

Eye Protection: Eye protection such as protective glasses or goggles is recommended when this product is being used.

Skin Protection: Wear protective gloves, long sleeves and trousers to minimise possible irritation.

Protective Material Types: There is no specific recommendation for any particular protective material type.

Respirator: Wear an approved respirator as above when exposed to dust

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	Fine brown powdered solid
Odour:	Organic odour
Boiling Point:	Not relevant
Freezing/Melting Point:	Solid at normal temperatures
Volatiles:	Not relevant
Vapour Pressure:	Not relevant
Vapour Density:	Not relevant
Bulk Density	Approx 0.8
Water Solubility:	Slightly soluble.
pH:	No data.
Volatility:	Not relevant.
Odour Threshold:	No data.
Evaporation Rate:	Not relevant.
Coeff Oil/water Distribution:	No data
Viscosity:	Not relevant.
Auto ignition temp:	Not applicable - does not burn.

Section 10 - Stability and Reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions

Conditions to Avoid: Avoid contact with foodstuffs, avoid exposure to moisture, extreme heat or flame.

Incompatibilities: No particular Incompatibilities.

Fire Decomposition: May emit toxic fumes of Carbon dioxide and oxides of phosphorus

Polymerisation: This product does not undergo polymerisation.

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Section 11 - Toxicological Information

The product contains natural organic material and therefore may contain a variety of living micro-organisms.

Target Organs: There is no data to hand indicating any particular target organs.

Potential Health Effects

Inhalation: Dust may be slightly irritating to upper respiratory tract. Prolonged exposure may cause irritation of the throat and lungs.

Skin Contact: This product may irritate skin; however it is unlikely to cause more than minor discomfort such as itchiness or slight skin reddening. May cause drying of the skin if exposure is prolonged.

Eye Contact: Slightly irritating by mechanical abrasion if exposed to dust

Ingestion: May be irritating to the throat due to its sandy texture or to the gastro-intestinal tract if ingested. Swallowing may cause abdominal discomfort and increase the risk of gastro-intestinal infections

Toxicity Data: No LD50 data available for this product.

Carcinogen Status:

SWA: No significant ingredient is classified as carcinogenic by SWA.

NTP: No significant ingredient is classified as carcinogenic by NTP.

IARC: No significant ingredient is classified as carcinogenic by IARC.

Classification of Hazardous Ingredients

Ingredient

Risk Phrases

No ingredient mentioned in the HSIS Database is present in this product at hazardous concentrations.

Section 12 - Ecological Information

Ecotoxicity: Low toxicity to birds, fish, bees and earthworms.

DO NOT contaminate streams, rivers or waterways

Contains natural organic materials and therefore may contain a variety of living micro-organisms

Environmental Fate: No data

Section 13 - Disposal Considerations

This material is suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Recycle plastic bags or containers.

Section 14 - Transport Information

UN Number: This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations.

Section 15 - Regulatory Information

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations.

Poison Schedule: A poison schedule number has not been allocated to this product using the criteria in 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.

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Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail	IMDG	International Maritime Dangerous Good
AICS	Australian Inventory of Chemical Substances	IMSBC	International Maritime Solid Bulk Code
CAS number	Chemical Abstracts Service Registry Number	NTP	National Toxicology Program (USA)
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially fire-fighters	SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
IARC	International Agency for Research on Cancer	SWA	Safe Work Australia (formerly ASCC and NOHSC)
IATA	International Air Transport Authority	UN Number	United Nations Number

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" (December 2011)

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