

Section 1 - Identification of Chemical Product and Company

Chemical nature: Organically based Liquid
Trade Name: FERTECH BIO
Product Use: Plant tonic & fertiliser
Supplier: Globe Australia 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: May 2017 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 CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

SUSMP Classification: Not scheduled

ADG Classification: None allocated. Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.

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: Brown liquid

Odour: Slight organic odour

Major Health Hazards: Large quantities may cause gastrointestinal irritation

Section 3 - Composition/Information on Ingredients

Ingredients 100% Organic

Contains Nutri-kelp, liquid fish, fulvic acid, Triacontanol, chelating agents, polysaccharides

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

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 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: No first aid measures normally required. However, if mists have been inhaled, and irritation has developed, remove to fresh air and observe until recovered.

Skin Contact: If product gets on skin, wash skin to remove material. No further measures should normally be required.

Eye Contact: Immediately irrigate with copious amounts of lukewarm, gently flowing water until the product is removed or irritation has ceased, while holding the eyelid(s) open. Obtain medical advice if irritation becomes painful or lasts more than a few minutes.

Ingestion: Rinse mouth, drink copious amounts of water, seek medical advice

Notes to Doctor: Treat symptomatically. Note the nature of this product.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: Non-flammable. No fire or explosion hazards exist.

Extinguishing Media: Media to suit materials involved in fire.

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

Flash point: Non Flammable

Upper Flammability Limit: Not applicable

Lower Flammability Limit: Not applicable

Auto ignition temperature: Not applicable

Flammability Class: Does not burn.

Hazchem Code: None allocated

Section 6 - Accidental Release Measures

Accidental release: Minor spills do not normally need any special cleanup measures. In the event of a major spill, prevent spillage from entering drains or watercourses. Wear goggles and gloves. Stop leak if safe to do so and contain spill. After spills, wash area, preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this MSDS and the label, instructions on the label prevail. Dispose of only in accord with all regulations. This material may be suitable for approved landfill.

Section 7 - Handling and Storage

Handling: 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. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Storage: Store packages of this product in a cool place. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight. Make sure that the product does not come into contact with substances listed under "Materials to avoid" in Section 10. Check packaging – there may be further storage instructions on the label.

Section 8 - Exposure Controls and Personal Protection

Exposure Limits

TWA(mg/m³)

STEL(mg/m³)

ADI(mg/Kg/day)

NOEL(mg/Kg/day)

Exposure limits have not been set by SWA for any other ingredients in product. The 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. There is a blanket limit of 10mg/m³ for dusts or mists when limits have not otherwise been established. The STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for 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. ADI means Acceptable Daily Intake and NOEL means No-observable-effect-level. Values taken from Australian ADI List, 31st March 2012

MATERIAL SAFETY DATA SHEET

Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

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.

Eye Protection: Protective eyewear is not normally necessary when using this product. However, it is always prudent to use protective eyewear.

Skin Protection: Wear gloves to prevent skin contact.

Respirator: It is usually safe to not use a dust mask or respirator protection on account of this product.

Provision of eye wash facilities and safety shower recommended.

Wash hands before eating, drinking, smoking or going to toilet, launder protective clothing before re-use.

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	Brown liquid
Odour:	Slight organic odour
Melting Point:	No data – liquid at room temperature
Volatiles:	N/A Expected to be low at 100°C.
Vapour Pressure:	N/A.
Vapour Density:	No data.
Specific Gravity	2.0 – 3.0
Water Solubility:	Fully miscible
pH:	4 - 5
Odour Threshold:	No data.
Flash Point	Not flammable
Auto ignition temp:	N/A - does not burn.
Corrosiveness:	Not corrosive

Section 10 - Stability and Reactivity

Reactivity: This product is stable under normal temperatures and pressures, when stored and handled in accordance with this MSDS

Conditions to Avoid: Heat, flames, ignition sources and incompatibles

Incompatibilities: Strong alkalis, strong acids

Polymerisation: This product is unlikely to spontaneously polymerise

Section 11 - Toxicological Information

Potential Health Effects

This product is virtually non-toxic by normal routes of exposure. There is no data to suggest that chronic exposure has any adverse health effects in the way of carcinogenicity, mutagenicity or reproductive effects. However, as with many products of organic origin, it is possible that this product may contain pathogenic micro-organisms

Ingestion: Data suggests that this product should present no significant problems to typical persons if used as intended. May cause nausea and digestive tract irritation if ingested in large amounts

Eye Contact: This product may cause slight eye irritation. However, it is unlikely to cause more than mild transient discomfort. It is also unlikely to cause any significant lasting effects.

Skin: Data suggests that this product should present no significant problems to typical persons if used as intended. May cause slight irritation

Inhalation: Data suggests that this product may cause some irritation but should present no significant problems to typical persons if used as intended. May cause slight irritation

Carcinogen Status:

ASCC: No significant ingredient is classified as carcinogenic by ASCC

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

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

Section 12 - Ecological Information

Product is 100% organic and non toxic to the environment

Section 13 - Disposal Considerations

Disposal: Dispose of empty container by wrapping in paper, placing in plastic bag and putting in garbage.

Section 14 - Transport Information

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 to be found in the public AICS Database.

Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

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 Number	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 ASCC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

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