

Amgrow Professor Mac 3 in 1

Section 1 - Identification of Chemical Product and Company

Amgrow Pty Ltd
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Trade Name: Professor Mac 3 in 1

Product Use: Combined organic insecticide, fertiliser and wetting agent

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Section 2 - Hazards Identification

Statement of Hazardous Nature

THIS PRODUCT IS NOT CLASSIFIED AS HAZARDOUS ACCORDING TO THE CRITERIA OF ASCC.
NOT A DANGEROUS GOOD ACCORDING TO AUSTRALIAN DANGEROUS GOODS (ADG) CODE.

SUSMP Classification: Not scheduled

ADG Classification: None allocated. Not a Dangerous Good under the ADG Code.

UN Number: None allocated

Emergency Overview

Physical Description & colour: Dark Brown Liquid

Odour: Organic odour.

Major Health Hazards: None recorded when product used according to label and this SDS

Potential Health Effects

Inhalation: This product is not sufficiently volatile to cause problems at normal temperatures

Skin Contact: This product is not irritating to the skin but prolonged and repeated contact may cause defatting of skin

Eye Contact: This product is irritating to eyes.

Ingestion: Ingestion of large quantities may result in nausea, headaches, irregular heartbeat, cramps and breathing difficulties.

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

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc. g/L
Eucalyptus Oil	8000-48-4	10
Tea Tree Oil	68647-73-4	2.5
Non Hazardous fertiliser components and water		

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 SDS with you when you call.

Inhalation: If vapour or mists have been inhaled and irritation or unusual symptoms have developed, remove to fresh air and observe til recovered. Seek medical advice if symptoms persist.

Skin Contact: Remove contaminated clothing and wash gently and thoroughly with water for 5 minutes or until product is removed. Seek medical advice if symptoms persist.

Eye Contact: Flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.

Ingestion: If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.

Advice to Doctor: Treat symptomatically, contains nitrates

Section 5 - Fire Fighting Measures

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

Extinguishing Media: Not flammable – use extinguishing media suitable for surrounding materials.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade. When fighting fires involving significant quantities of this product, wear safety boots, non-flammable overalls, gloves, hat, goggles and self contained breathing apparatus. All skin areas should be covered

Fire Decomposition Products: Decomposition may give rise to toxic and noxious fumes

Flash point: Not flammable

Section 6 - Accidental Release Measures

Accidental release: In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including Face mask, face shield, gauntlets and self contained breathing apparatus. All skin areas should be covered. See below under Personal Protection regarding Australian Standards relating to personal protective equipment. Take precautions against slippery surfaces.

Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. Refer to product label for specific instructions. After spills, wash area preventing runoff from entering drains. Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this SDS and the label, instructions on the label prevail. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

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

Storage: Store away from children, animals, food, feedstuffs, seed and fertilisers. Containers should be kept closed in order to minimise contamination. Keep away from extreme heat and open flames and ensure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10.

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 for ingredients in product. 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 exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. A TWA has not been established by Worksafe Australia for any of the major ingredients in this product. There is a blanket limit of 10mg/m³ for dusts or mists when limits have not otherwise been established. The nature of this product makes it unlikely that this level will be approached in normal use. ADI means Acceptable Daily Intake and NOEL means No-observable-effect-level. Values taken from Australian ADI List, Dec 2003.

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.

Ventilation: If there is a significant chance vapours or mists accumulating in the area where this product is being used, a local exhaust system should be used.

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

Skin Protection: You should prevent skin contact by wearing impervious gloves, protective clothing and, preferably, an apron. Make sure that all skin areas are covered

Respirator: If there is a significant chance vapours or mists accumulating in the area where this product is being used, a mask or respirator should be used.

Always wash hands before eating, drinking or smoking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	Dark brown liquid
Odour:	Organic odour.
Boiling Point:	100°C
Freezing Point:	No specific data. Expected to be 0°C
Volatiles:	No data. Expected to be low at 100°C
Vapour Pressure:	No data.
Specific Gravity:	1.01
Water Solubility:	Completely miscible
pH:	No data.
Corrosive:	No data

Section 10 – Stability and Reactivity

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

Conditions to Avoid: Extreme Heat

Incompatibilities: No known incompatibilities

Fire Decomposition: May give rise to toxic and noxious fumes.

Polymerisation: This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

Human Health Hazards: See Section 2

No Animal Toxicity data available for this product

Section 12 - Ecological Information

No ecological data available but due to organic nature is not thought to be harmful to the environment

Section 13 - Disposal Considerations

Disposal: There are many pieces of legislation covering waste disposal and they differ in each state and territory, so each user must refer to laws operating in their area. In some areas, certain wastes must be tracked. The Hierarchy of Controls seems to be common - the user should investigate: Reduce, Reuse, and Recycle and only if all else fails should disposal be considered. Note that properties of a product may change in use, so that the following suggestions may not always be appropriate. The product label will give general advice regarding disposal of small quantities, and how to cleanse containers. However, for help with the collection of unwanted rural chemicals, contact ChemClear 1800 008 182

Section 14 - Transport Information

ADG Code: This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

IMDG/IATA: Not a dangerous good for transport by sea or air

Section 15 - Regulatory Information

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

The ingredients are mentioned in the SUSMP.

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
AICS	Australian Inventory of Chemical Substances
ASCC	Australian Safety and Compensation Council
CAS number	Chemical Abstracts Service Registry Number
Hazchem Number	Emergency action code of numbers and letters that provide information to emergency services especially fire fighters
IARC	International Agency for Research on Cancer
NOHSC	National Occupational Health and Safety Commission
NTP	National Toxicology Program (USA)
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
SWA	Safe Work Australia (formerly ASCC and NOHSC)
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 "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)] Copyright © Amgrow Pty Ltd September 2012