

## Section 1 - Identification of the Material and Supplier

<b>Chemical nature:</b>	<b>Non-ionic Extender-sticker-spreader.</b>
<b>Trade Name:</b>	<b>Pro-Film 904</b>
<b>Product Use:</b>	Non-ionic Extender-sticker-spreader. To hold pesticides on crop foliage, to enable longer effectivity
<b>Supplier:</b>	<b>Amgrow Pty Ltd</b> <b>3/29 Birnie Ave, Lidcombe, NSW 2141</b> <b>Phone: 02 9395 1200 (office hours)</b> <b>Fax: 02 4729 3037</b> <b>www.amgrow.com.au</b>
<b>Issued:</b>	<b>May 2021</b> and is valid for 5 years from this date.
<b>Poisons Information Centre:</b>	<b>Phone 13 1126 from anywhere in Australia</b>

## 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:** S36, S24/25. 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.

P403+P235: Store in a well-ventilated place. Keep cool.

### DISPOSAL

P501: If they can not be recycled, dispose of contents to an approved waste disposal plant and containers to landfill (see Section 13 of this SDS).

## Emergency Overview

**Physical Description & Colour:** Clear amber liquid

**Odour:** Terpene odour

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

## Section 3 - Composition/Information on Ingredients

<u>Ingredients</u>	<u>CAS No</u>	<u>%</u>
di-1-p-menthene	34363-01-4	90.4

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

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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 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.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. Give a glass of water. Contact doctor or Poisons Information Centre.

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

**Skin Contact:** If product gets on skin, thoroughly wash contacted areas. No further measures should normally be required unless irritation is noticed. If irritation persists, seek medical attention.

**Eye Contact:** Rinse immediately with plenty of water for at least 15 minutes, holding eye open and taking care to rinse under eyelids as well. If irritation persists seek medical attention.

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

## Section 5 - Fire Fighting Measures

**Extinguishing media:** This product is a combustible liquid C2 (flash point > 200°C). Extinguish fire using water, carbon dioxide, foam or dry agent. Contain all runoff.

**Hazards from combustion products:** Can emit toxic fumes when heated in a fire.

**Precautions for fire-fighters and special protective equipment:** Isolate fire area. Evacuate downwind residents. Wear full protective clothing and self contained breathing apparatus. Do not breathe smoke or vapours generated.

**Flash point:** >200°C

**Upper Flammability Limit:** Not established

**Lower Flammability Limit:** Not established

**Auto ignition temperature:** No data

**Flammability Class:** C2

## Section 6 - Accidental Release Measures

**Accidental release:** In the event of a major spill, prevent spillage from entering drains or water courses. Evacuate the spill area and deny entry to unnecessary and unprotected personnel. Wear protective chemically resistant clothing including face mask, face shield, and gauntlets. See above under Personal Protection regarding Australian Standards relating to personal protective equipment. Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. Avoid using sawdust or other combustible material. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Do not dispose of undiluted chemical on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If there is any conflict between this MSDS and label, instructions on the label prevail. Dispose of only in accord with all regulations. Launder all contaminated clothing before re-use and advise laundry of nature of contaminant.

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

**Storage:** Store in a cool, dry place away from children and animals or foodstuffs. Ensure containers are labelled, protected from physical damage and sealed when not in use. Store away from farm chemicals e.g. insecticides, fungicides and herbicides. Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames, and make sure that the product does not come into contact with substances listed under "Materials to avoid" in Section 10.

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## Section 8 - Exposure Controls and Personal Protection

**SWA Exposure Limits      TWA (mg/m<sup>3</sup>)    STEL (mg/m<sup>3</sup>)    ADI (mg/Kg/day)    NOEL (mg/Kg/day)**

Exposure limits have not been set for any 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/m<sup>3</sup> 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, June 2013

### 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**.

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:** Avoid vapours and provide local exhaust ventilation where necessary.

**Eye Protection:** Although this product is generally non-irritating to the eyes, wearing of safety glasses is always recommended in industrial situations or in use

**Skin Protection:** Wear impermeable PVC gloves to prevent skin contact. Wear overall and long sleeves to prevent skin contact

**Respirator:** It is usually safe to not use a dust mask or respirator protection on account of this product. However, if the product is being used in dusty or confined conditions, use of a mask or respirator may be preferred. Use P2 type canister respirator if required

**Safety Boots:** Safety boots in industrial situations are advised

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 or destroy contaminated clothing. Advise laundry of nature of contamination.

## Section 9 - Physical and Chemical Properties:

<b>Physical Description &amp; colour:</b>	Clear amber coloured liquid
<b>Odour:</b>	Terpene odour
<b>Boiling Point:</b>	No data available
<b>Freezing Point</b>	No data available
<b>Vapour Pressure:</b>	No data
<b>Vapour Density:</b>	No data.
<b>Specific Gravity:</b>	0.96 @ 20°C
<b>Water Solubility:</b>	Not soluble, forms an emulsion
<b>pH:</b>	7.0
<b>Flammability:</b>	C2 combustible liquid
<b>Flashpoint:</b>	>200°C
<b>Flammability Limits:</b>	Not established
<b>Corrosiveness:</b>	Not Corrosive

## Section 10 - Stability and Reactivity

<b>Chemical Stability:</b>	This product is stable under normal temperatures and pressures, when stored and handled in accordance with this MSDS
<b>Conditions to avoid:</b>	Avoid exposure to heat.
<b>Incompatible materials:</b>	Can react with oxidising agents and acid catalysts.
<b>Hazardous Decomposition Products:</b>	If involved in a fire, it may emit fumes containing toxic compounds.
<b>Hazardous Reactions:</b>	No special considerations.
<b>Polymerisation:</b>	Will not spontaneously polymerise

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## Section 11 - Toxicological Information

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

### Potential Health Effects

**Swallowed:** Low toxicity. Acute oral LD<sub>50</sub> > 16,000 mg/kg.

**Eye:** Not irritating.

**Skin:** Low toxicity. Acute dermal LD<sub>50</sub> > 16,000 mg/kg. Generally not irritating, may cause very mild irritation in sensitive people.

**Inhaled:** Low toxicity. Acute inhalation LD<sub>50</sub> > 2.46 mg/L/4 hour (highest concentration attainable, no deaths recorded).

### Animal Toxicity:

Oral LD<sub>50</sub> (rat) > 5000mg/kg

Dermal LD<sub>50</sub> (rat) >5000mg/kg

### 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

**Environmental Toxicology:** Essentially non toxic to bees (48hr LC50 > 200µg/bee) and earthworms (14 day LC50 > 1000 ppm). Very toxic to aquatic organisms.

**Environmental Fate:** di-1-p-menthene, the active ingredient in this product is degraded in soils by micro organisms in approximately 15 days. However, it is not readily degradable in water and is partly soluble in water. It may cause long term adverse effects in aquatic environments. It has no inhibitory effects to sewage micro organisms.

## Section 13 - Disposal Considerations

**Disposal:** Full details regarding disposal of used containers, 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.

## 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.

## Section 16 - Other Information

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

Acronyms:

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<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 <sup>th</sup> edition)
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>SWA</b>	Safe Work Australia, formerly ASCC and NOHSC
<b>CAS number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>R-Phrase</b>	Risk Phrase
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines & Poisons
<b>UN Number</b>	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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## SAFETY DATA SHEET