

## Safety Data Sheet

according to WHS Regulations

Printing date 27.08.2020

Revision: 27.08.2020

### 1 Identification

**Product Name:** Farmalinx Avenger Fungicide

**Other Means of Identification:** Mixture

**Recommended Use of the Chemical and Restriction on Use:**

Fungicide for control of damping-off caused by *Pythium* spp. in ornamental plants, turn and eucalyptus nurseries.

**Details of Manufacturer or Importer:**

Farmalinx  
Suite 2506, Level 25, Tower 2, 101 Grafton Street,  
Bondi Junction  
NSW 2022

**Phone Number:** 02 9389 2455

**Emergency telephone number:** 0429 39 6088

### 2 Hazard(s) Identification

**Hazardous Nature:**

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

The product is not classified, according to the Globally Harmonised System (GHS).

**Signal Word** None

**Hazard Statements** None

### 3 Composition and Information on Ingredients

**Chemical Characterization:** Mixtures

**Description:** No reportable hazardous substances.

**Hazardous Components:** None

**Non Hazardous Components:**

CAS: 25606-41-1   propyl [3-(dimethylamino)propyl]carbamate monohydrochloride	60%
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### 4 First Aid Measures

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

**Skin Contact:**

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

**Eye Contact:**

In case of eye contact, rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if symptoms persist.

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**Ingestion:**

If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Do not give anything by mouth to an unconscious person. Seek medical attention if symptoms occur.

**Symptoms Caused by Exposure:**

Inhalation: No adverse health effects expected.

Skin Contact: May cause skin irritation. Repeated exposure may cause skin sensitisation.

Eye Contact: May cause eye irritation.

Ingestion: No adverse health effects expected.

### 5 Fire Fighting Measures

**Suitable Extinguishing Media:** Use fire extinguishing methods suitable to surrounding conditions.

**Specific Hazards Arising from the Chemical:**

No hazardous decomposition products known.

Product is non flammable.

Containers close to fire should be removed only if safe to do so. Use water spray to cool fire exposed containers.

Minimise run-off from fire fighting entering drains or water courses.

**Special Protective Equipment and Precautions for Fire Fighters:**

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

### 6 Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear appropriate respiratory protection, chemical resistant gloves, protective clothing and safety boots.

**Environmental Precautions:** In the event of a major spill, prevent spillage from entering drains or water courses.

**Methods and Materials for Containment and Cleaning Up:**

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal.

### 7 Handling and Storage

**Precautions for Safe Handling:**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet.

Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Protect from long periods of direct sunlight. Keep in original container.

### 8 Exposure Controls and Personal Protection

**Exposure Standards:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Engineering Controls:** Natural ventilation should be adequate under normal use conditions.

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**Respiratory Protection:** Respiratory protection is not required under normal use conditions.**Skin Protection:**

Wear elbow length PVC gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

**Eye and Face Protection:**

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

### 9 Physical and Chemical Properties

**Appearance:**

<b>Form:</b>	Liquid
<b>Colour:</b>	Clear light yellow
<b>Odour:</b>	No information available
<b>Odour Threshold:</b>	Not determined.
<b>pH-Value:</b>	4.14 (undiluted, CIPAC MT3)
<b>Melting point/freezing point:</b>	Not determined.
<b>Initial Boiling Point/Boiling Range:</b>	Not determined.
<b>Flash Point:</b>	Not applicable
<b>Flammability:</b>	Product is not flammable.
<b>Decomposition Temperature:</b>	Not determined.
<b>Explosion Limits:</b>	
<b>Lower:</b>	Not applicable.
<b>Upper:</b>	Not applicable.
<b>Vapour Pressure:</b>	Not determined.
<b>Density:</b>	Not determined.
<b>Relative Density:</b>	1.08 (CIPAC MT3)
<b>Vapour Density:</b>	Not determined.
<b>Evaporation Rate:</b>	Not determined.
<b>Solubility in Water:</b>	Completely soluble.
<b>Partition Coefficient (n-octanol/water):</b>	Not determined.
<b>Viscosity:</b>	Not determined.

### 10 Stability and Reactivity

**Possibility of Hazardous Reactions:** No known hazardous reactions.**Chemical Stability:** Stable under normal conditions.**Conditions to Avoid:** Prolonged periods of direct sunlight.**Incompatible Materials:** No further relevant information available.**Hazardous Decomposition Products:** No hazardous decomposition products known.

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## 11 Toxicological Information

**Toxicity:****Acute Health Effects****Inhalation:** No adverse health effects expected.**Skin:** May cause skin irritation. Repeated exposure may cause skin sensitisation.**Eye:** May cause eye irritation.**Ingestion:** No adverse health effects expected.**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

Based on classification principles, the classification criteria are not met.

**Aspiration Hazard:** Based on classification principles, the classification criteria are not met.**Chronic Health Effects:** No data associated with long term health effects.**Existing Conditions Aggravated by Exposure:** Not expected to be a hazard.**Additional toxicological information:**

The Australian Acceptable Daily Intake (ADI) for propamocarb for a human is 0.4 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOAEL of 39 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species.

(Ref: Australian Pesticides and Veterinary Medicines Authority, 'Acceptable Daily Intakes for Agricultural and Veterinary Chemicals', 2020).

## 12 Ecological Information

**Ecotoxicity:** No data available on finished product.**Aquatic toxicity:** No data available on finished product.**Persistence and Degradability:** No data available on finished product.**Bioaccumulative Potential:** No data available on finished product.**Mobility in Soil:** No data available on finished product.**Other adverse effects:** No further relevant information available.

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### 13 Disposal Considerations

**Disposal Methods and Containers:**

Triple rinse containers before disposal, adding rinsings to spray tank. Do not dispose of undiluted chemicals on site. Do not reuse empty containers for any other purpose. Dispose according to applicable local and state government regulations.

**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

### 14 Transport Information

**UN Number** Not regulated

**Proper Shipping Name** Not regulated

**Dangerous Goods Class** Not regulated

**Packing Group:** Not regulated

### 15 Regulatory Information

**Australian Inventory of Chemical Substances:**

CAS: 25606-41-1 | propyl [3-(dimethylamino)propyl]carbamate monohydrochloride

**Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:**

Poisons Schedule: 5

**Australia: Priority Existing Chemicals**

None of the ingredients is listed.

### 16 Other Information

**Date of Preparation or Last Revision:** 27.08.2020

**Prepared by:** MSDS.COM.AU Pty Ltd

[www.msds.com.au](http://www.msds.com.au)

**Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

**Disclaimer**

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - May 2018"

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