

**Safety Data Sheet**  
according to WHS Regulations

Printing date 15.06.2021

Revision: 15.06.2021

**1 Identification**

**Product Name:** Farmalinx All-Star Turf Insecticide

**Other Means of Identification:** Mixture

**APVMA Number:** 90097

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

**Details of Manufacturer or Importer:**

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

**Phone Number:** 02 9389 2455

**Emergency telephone number:** National Poisons Information Centre: 13 11 26

**2 Hazard(s) Identification**

**Hazardous Nature:**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



Environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

**Signal Word** Warning

**Hazard Statements**

H400 Very toxic to aquatic life.

**Precautionary Statements**

P273 Avoid release to the environment.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with local/regional/national regulations.

**3 Composition and Information on Ingredients**

**Chemical Characterization:** Mixtures

**Description:** Mixture of substances listed below with nonhazardous additions.

**Hazardous Components:**

CAS: 500008-45-7	Chlorantraniliprole	 Aquatic Acute 1, H400; Aquatic Chronic 1, H410	20%
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**4 First Aid Measures**

**General Information:**

If poisoning occurs, contact a doctor or Poisons Information Centre.

Phone Australia 13 11 26, New Zealand 0800 764 766.

**Inhalation:**

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

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**Skin Contact:**

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

**Eye Contact:**

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

**Ingestion:**

If swallowed, do not induce vomiting. Rinse mouth out with water. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

**Symptoms Caused by Exposure:**

Inhalation: No adverse health effects expected under normal use conditions.

Skin Contact: No adverse health effects expected under normal use conditions.

Eye Contact: No adverse health effects expected under normal use conditions.

Ingestion: May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.

**Medical Attention and Special Treatment:** Treat symptomatically.

### 5 Fire Fighting Measures

**Suitable Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of carbon, nitrogen oxides, hydrogen chloride gas and hydrogen bromide gas.

Product is not flammable but may decompose in a fire.

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

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

HAZCHEM Code: •3Z

**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 protective equipment. Keep unprotected persons away. Take care as spill may cause a slip hazard.

**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 or spray mist. 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.

**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Keep in original container, tightly closed when not in use. Avoid storage for prolonged periods in direct sunlight. Keep away from acids, reducing agents and strong oxidising agents.

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### 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:** Ensure adequate ventilation of the working area.

**Respiratory Protection:**

Use an approved respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

**Skin Protection:**

Handle with nitrile rubber gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Use 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:**

Wear 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

<b>Appearance:</b>	Suspension
<b>Form:</b>	Liquid
<b>Colour:</b>	White to off-white
<b>Odour:</b>	No information available
<b>Odour Threshold:</b>	No information available
<b>pH-Value (10 g/l) :</b>	7 - 8
<b>Melting point/freezing point:</b>	No information available
<b>Initial Boiling Point/Boiling Range:</b>	No information available
<b>Flash Point:</b>	Not applicable
<b>Flammability:</b>	Product is not flammable
<b>Ignition Temperature</b>	No information available
<b>Auto-ignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	Not applicable
<b>Upper:</b>	Not applicable
<b>Vapour Pressure:</b>	As water
<b>Density:</b>	1.07 - 1.12 g/cm <sup>3</sup>
<b>Vapour Density:</b>	As water
<b>Evaporation Rate:</b>	No information available
<b>Solubility in Water:</b>	No information available
<b>Partition Coefficient (n-octanol/water):</b>	No information available
<b>Viscosity:</b>	No information available

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### 10 Stability and Reactivity

**Possibility of Hazardous Reactions:** No known hazardous reactions.**Chemical Stability:** Stable under normal conditions.**Conditions to Avoid:** Prolonged storage in direct sunlight.**Incompatible Materials:** Acids, reducing agents and strong oxidising agents.**Hazardous Decomposition Products:**

Oxides of carbon, nitrogen oxides, hydrogen chloride gas and hydrogen bromide gas.

### 11 Toxicological Information

**Toxicity:****LD50/LC50 Values Relevant for Classification:****CAS: 500008-45-7 Chlorantraniliprole**

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rat)
Inhalation	LC50/4 h	>5.1 mg/l (rat)

**Acute Health Effects****Inhalation:** No adverse health effects expected under normal use conditions.**Skin:** No adverse health effects expected under normal use conditions.**Eye:** No adverse health effects expected under normal use conditions.**Ingestion:** May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.**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:** No data available.**Additional toxicological information:**

The Australian Acceptable Daily Intake (ADI) for Chlorantraniliprole for a human is 1.6 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOAEL of 158 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', 2021).

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## 12 Ecological Information

**Ecotoxicity:****Aquatic toxicity:**

Very toxic to aquatic life.

**CAS: 50008-45-7 Chlorantraniliprole**

EC50/48 h 0.011 mg/l (daphnia)

**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.

## 13 Disposal Considerations

**Disposal Methods and Containers:**

Dispose according to applicable local and state government regulations. Must not be disposed together with household garbage. Do not allow product to reach sewage system. Triple rinse containers and empty rinsate into spray tanks.

Containers should be cleaned and recycled if possible. If not recycling, break, crush or puncture containers and return empty packaging to an approved waste management facility.

**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information. Do not burn empty containers or product.

## 14 Transport Information

**UN Number**

ADG, IMDG, IATA

UN3082

**Proper Shipping Name**

ADG

ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
LIQUID, N.O.S. (CHLORANTRANILIPROLE)

IMDG

ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
LIQUID, N.O.S. (CHLORANTRANILIPROLE), MARINE  
POLLUTANT

IATA

Environmentally hazardous substance, liquid, n.o.s.  
(chlorantraniliprole)**Dangerous Goods Class**

ADG Class:

9 Miscellaneous dangerous substances and articles.

Subsidiary Risk:

**Packing Group:**

ADG, IMDG, IATA

III

**Marine pollutant:**

Symbol (fish and tree)

**EMS Number:**

F-A,S-F

**Hazchem Code:**

•3Z

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<b>Special Provisions:</b>	274, 331, 335, 375, AU01
<b>Transport/Additional information:</b>	Not subject to the ADG Code when transported in Australia by Road or Rail in packages 500kg(L) or less; or IBCs (refer to SP AU01)
<b>Limited Quantities:</b>	5 L
<b>Packagings &amp; IBCs - Packing Instruction:</b>	P001, IBC03, LP01
<b>Packagings &amp; IBCs - Special Packing Provisions:</b>	PP1
<b>Portable Tanks &amp; Bulk Containers - Instructions:</b>	T4
<b>Portable Tanks &amp; Bulk Containers - Special Provisions:</b>	TP1, TP29

### 15 Regulatory Information

**Australian Inventory of Industrial Chemicals:** All ingredients are listed except one which are trade secret.

**Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:**  
Not a scheduled poison.

### 16 Other Information

**Date of Preparation or Last Revision:** 15.06.2021

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

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

**Abbreviations and acronyms:**

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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)

Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). Category 1

**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 - July 2020"

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