



4 Farmers ... For Farmers
Printing date 27.04.2016

SAFETY DATA SHEET

According to Safe Work Australia

Revision: 27.04.2016

1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: 4FARMERS IMID-TRIADIMENOL SEED DRESSING

Recommended Use of the Chemical and Restriction on Use: Agricultural insecticide and fungicide.

Details of Manufacturer or Importer:

4Farmers Pty Ltd
70 McDowell Street
Welshpool WA 6106

Phone Number: +61 8 9356 9446

Emergency telephone number: National Poison Information Centre: 13 11 26

2. HAZARDS 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)



environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

Aquatic Acute 2 H401 Toxic to aquatic life.

Signal Word Void

Hazard Statements

H411 Toxic to aquatic life with long lasting effects.

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:

138261-41-3	Imidacloprid (ISO) ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. (Oral) 4, H302	16.07%
55219-65-3	Triadimenol ⚠ Acute Tox. (Oral) 4, H302; Acute Tox. (Inhalation) 4, H332; Aquatic Acute 3, H402	5%

Additional information:

Other ingredients, including emulsifiers, stabilisers, thickeners - CAS number and concentration not supplied.

4. FIRST AID MEASURES

Inhalation: If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.

(Contd. on page 2)

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 27.04.2016

Revision: 27.04.2016

Product Name: 4FARMERS IMID-TRIADIMENOL SEED DRESSING

(Contd. of page 1)

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 cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Seek medical attention if irritation persists.

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 immediate medical attention.

5 . FIRE FIGHTING MEASURES

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

Specific Hazards Arising from the Chemical:

Though the material is non-combustible, evaporation of water from the mixture, caused by the heat of nearby fire, may produce combustible substances.

Hazardous combustion products include oxides of carbon and nitrogen, hydrogen chloride, phosgene and other pyrolysis products typical of burning organic material.

Closed containers may explode when exposed to extreme heat.

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 approved respiratory protection and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

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. Keep in original container tightly closed when not in use. Suitable packaging is polyethylene or polypropylene. Protect from direct sunlight and evaporation.

(Contd. on page 3)

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 27.04.2016

Revision: 27.04.2016

Product Name: 4FARMERS IMID-TRIADIMENOL SEED DRESSING

(Contd. of page 2)

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 approved vapour respirator with type A filter 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:

PVC elbow-length 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.

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:

Form:	Liquid
Colour:	Green
Odour:	Slight characteristic odour
Odour Threshold:	No information available
pH-Value:	6-8 (as supplied)
Melting point/Melting range:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	Not applicable
Flammability:	Product is not flammable.
Auto-ignition Temperature:	Not applicable
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	Negligible
Density:	No information available
Relative Density:	1.12
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Miscible

(Contd. on page 4)

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 27.04.2016

Revision: 27.04.2016

Product Name: 4FARMERS IMID-TRIADIMENOL SEED DRESSING

(Contd. of page 3)

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Evaporation.

Incompatible Materials: No further relevant information available.

Hazardous Decomposition Products:

Hazardous decomposition products include oxides of carbon and nitrogen, hydrogen chloride, phosgene and other pyrolysis products typical of burning organic material.

11 . TOXICOLOGICAL INFORMATION

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:		
138261-41-3 Imidacloprid (ISO)		
Oral	LC ₅₀	>5323 mg/L (rat)
	LD ₅₀	150 mg/kg (mouse) 410 mg/kg (rat)
Dermal	LD ₅₀	>5000 mg/kg (rat)
Inhalation	LC ₅₀ /4 h	>69 mg/m ³ (rat)
4FARMERS IMID-TRIADIMENOL SEED DRESSING		
Oral	LD ₅₀	1400-1500 mg/kg (rat) (adult male) 1530 mg/kg (rat) (adult female)
	Dermal	LD ₅₀
55219-65-3 Triadimenol		
Oral	LD ₅₀	3800 mg/kg (rat)
Dermal	LD ₅₀	>5000 mg/kg (rat)
Inhalation	LC ₅₀	3060 mg/m ³ (rat)
	LC ₅₀ /4 h	>0.9 mg/L (rat)

Acute Health Effects

Inhalation: No adverse health effects expected.

Skin: No adverse health effects expected.

Eye: No adverse health effects expected.

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.

(Contd. on page 5)

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 27.04.2016

Revision: 27.04.2016

Product Name: 4FARMERS IMID-TRIADIMENOL SEED DRESSING

(Contd. of page 4)

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 information available**Existing Conditions Aggravated by Exposure:** No information available**Additional toxicological information:**

The Australian Acceptable Daily Intake (ADI) for triadimenol for a human is 0.06 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 6.25 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: Comm. Dept. of Health and Ageing Office of Chemical Safety, 'ADI List', June 2014).

The Australian Acceptable Daily Intake (ADI) for imidacloprid for a human is 0.06 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 6 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: Comm. Dept. of Health and Ageing Office of Chemical Safety, 'ADI List', June 2014).

12 . ECOLOGICAL INFORMATION

Ecotoxicity:**Aquatic toxicity:** Toxic to aquatic life with long lasting effects.**Persistence and Degradability:** Triadimenol and imidacloprid are both highly persistent in water and soil.**Bioaccumulative Potential:** Triadimenol and imidacloprid both have a low potential for bioaccumulation.**Mobility in Soil:** Imidacloprid and triadimenol are both moderately mobile.

13 . DISPOSAL CONSIDERATIONS

Disposal Methods and Containers: 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

ADG

Not classified as a dangerous good according to the Australian Code for the Transport of Dangerous goods by road or rail when being transported in IBCs or other receptacles < 500 L (kg), (Special Provision AU01).

UN3082

IMDG, IATA**Proper Shipping Name**

IMDG

ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S., MARINE POLLUTANT

(Contd. on page 6)

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 27.04.2016

Revision: 27.04.2016

Product Name: 4FARMERS IMID-TRIADIMENOL SEED DRESSING

(Contd. of page 5)

IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Dangerous Goods Class	
ADG Class:	Not regulated
IMDG Class:	9 Miscellaneous dangerous substances and articles.
Packing Group:	
ADG	Not regulated
IMDG, IATA	III
Marine pollutant:	Yes Symbol (fish and tree)
EMS Number:	F,A-S,F
Hazchem Code:	.3Z
Special Provisions:	179, 274, 331, 335, AU01
Limited Quantities:	5L
Packagings & IBCs - Packing Instruction:	P001, IBC03, LP01
Packagings & IBCs - Special Packing Provisions:	PP1
Portable Tanks & Bulk Containers - Instructions:	T4
Portable Tanks & Bulk Containers - Special Provisions:	TP1, TP29

15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:

138261-41-3	Imidacloprid (ISO)
55219-65-3	Triadimenol
7732-18-5	Water

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

Poisons Schedule: 5

16 . OTHER INFORMATION

Date of Preparation or Last Revision: 27.04.2016**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 percentLD₅₀: 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)

Acute Tox. (Oral) 4: Acute toxicity, Hazard Category 4

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

(Contd. on page 7)

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 27.04.2016

Revision: 27.04.2016

Product Name: 4FARMERS IMID-TRIADIMENOL SEED DRESSING

(Contd. of page 6)

Aquatic Acute 2: Hazardous to the aquatic environment, short-term (Acute). Category 2
Aquatic Acute 3: Hazardous to the aquatic environment, short-term (Acute). Category 3
Aquatic Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment, long-term (Chronic). Category 2

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 - December 2011"

The information contained in this material safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. 4Farmers Pty Ltd makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.