SAFETY DATA SHEET

According to Safe Work Australia

Printing date 01.09.2026 Revision: 01.09.2026

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: FIPRONIL 800 WDG

Other Means of Identification: Mixture

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

Details of Manufacturer or Importer:
4Farmers Australia Pty Ltd
70 McDowell Street
Welshpool WA 6106

Phone Number: +61 8 9356 3446

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

2 . HAZARDS 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).

skull and crossbones

Acute Tox. (Oral) 3	H301 Toxic if swallowed.
Acute Tox. (Dermal) 3	H311 Toxic in contact with skin.
Acute Tox. (Inhalation) 3	H331 Toxic if inhaled.

health hazard

STOT RE 1	H372 Causes damage to organs through prolonged or repeated exposure.

environment

Aquatic Acute 1	H400 Very toxic to aquatic life.
Aquatic Chronic 1	H410 Very toxic to aquatic life with long lasting effects.

Signal Word Danger

Hazard Statements
H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled.
H372 Causes damage to organs through prolonged or repeated exposure.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P273 Avoid release to the environment.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P321 Specific treatment (see on this label).

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P311 Call a POISON CENTER/doctor.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER/doctor if you feel unwell.
P314 Get medical advice/attention if you feel unwell.
P330 Rinse mouth.
P302+P352 IF ON SKIN: Wash with plenty of water.
P391 Collect spillage.
P361+P364 Take off immediately all contaminated clothing and wash it before reuse.
P405 Store locked up.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
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:		
120068-37-3	Fipronil (ISO) Acute Tox. (Oral) 3, H301; Acute Tox. (Dermal) 3, H311; Acute Tox. (Inhalation) 3, H331; STOT RE 1, H372; Aquatic Acute 1, H400; Aquatic Chronic 1, H410	83%
151-21-3	sodium dodecyl sulphate Acute Tox. (Oral) 3, H301; Acute Tox. (Dermal) 3, H311; Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	4%

4 . FIRST AID MEASURES

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. Do not give mouth-to-mouth if substance has been inhaled or ingested. Instead, use a pocket mask or proper respiratory device. 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 for at least 20 minutes. Seek medical attention if symptoms occur.

Eye Contact:
In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

Ingestion:
If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a up to 200 mL of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:
Inhalation: Toxic if inhaled.
Skin Contact: Toxic in contact with skin.
Ingestion: Toxic if swallowed. Symptoms include irritability, lethargy, tremors and possibly convulsions.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media:
Water spray or fog, foam, dry chemical or carbon dioxide. Do not use straight streams of water.

Specific Hazards Arising from the Chemical:

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Hazardous combustion products include toxic fumes.
Product is not flammable, but may form explosive dust clouds in some situations.
Closed containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

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 dust/particulate filter respirator and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid generating dust.

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 cover with a plastic sheet to prevent spreading. Sweep and shovel into drums for subsequent disposal. Avoid generating dust. Provide adequate ventilation.

7 . HANDLING AND STORAGE

Precautions for Safe Handling:
Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust.
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 container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition. Empty containers may contain residual dust which can form explosive mixtures in air. Do not weld, cut or drill on full or empty containers. Recommended storage temperature is 0 - 30 °C. Do not store near feed, beverages or foodstuffs. Keep away from strong acids and bases.

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:
Where an inhalation risk exists, wear a Class P1 (particulate) respirator. At high dust levels, wear a powered air purifying respirator (PAPR) with Class P3 (Particulate) filter or an air-line respirator or a full-face Class P3 (particulate) respirator. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:
Impervious nitrile rubber or PVC 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.

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Eye and Face Protection:
Eye and face protectors for protection against dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	
Form:	Vermicelli type material
Colour:	Light brown
Odour:	Odourless
Odour Threshold:	No information available
pH-Value:	5.5 - 7.5
Melting point/Melting range:	200 - 201 °C
Initial Boiling Point/Boiling Range:	Not determined
Flash Point:	> 100 °C
Flammability:	Product is not flammable.
Auto-ignition Temperature:	Not determined
Decomposition Temperature:	Not determined
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	Not applicable
Density:	0.4 - 0.6 g/cm³
Vapour Density:	No information available
Evaporation Rate:	Not determined
Solubility in Water at 20 °C:	1.9 mg/L
Solubility in Solvents:	Acetone 545 g/L, Dichloromethane 22 g/L, Hexane 0.028 g/L, Toluene 3 g/L (values for fipronil at 25℃)
Partition Coefficient (n-octanol/water):	Not determined.
Viscosity:	Not applicable

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: No further relevant information available.

Incompatible Materials: Strong acids and bases.

Hazardous Decomposition Products: May emit toxic fumes.

11 . TOXICOLOGICAL INFORMATION

Toxicity:

LD_{50}/LC_{50} Values Relevant for Classification:		
Oral	LD_{50}	50 - 300 mg/kg (rat)
Dermal	LC_{50}/4 h	1120.60 mg/kg (rabbit)
Inhalation		0.682 mg/L (rat)

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151-21-3 sodium dodecyl sulphate		
Oral	LD_{50}	1288 mg/kg (rat)

Acute Health Effects
Inhalation: Toxic if inhaled.
Skin: Toxic in contact with skin.
Eye: No adverse health effects expected.
Ingestion: Toxic if swallowed. Symptoms include irritability, lethargy, tremors and possibly convulsions.

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:
Causes damage to organs through prolonged or repeated exposure.

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 fipronil for a human is 0.0002 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 0.02 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species.
The Australian Acceptable Daily Intake (ADI) for sodium lauryl sulfate for a human is 1.0 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 100 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', March 2016).

12 . ECOLOGICAL INFORMATION

Ecotoxicity:
LD50 160 mg/kg (Japanese Quail)
Highly toxic to honey bees:
LD50 0.6 µg/bee
Non toxic to earthworms:
LC50 >1000 mg/kg

Aquatic toxicity:
Very Toxic to aquatic life with long lasting effects.

EC_{50}/48 h	72 µg/L (daphnia)
LC_{50}/96 h	130 µg/L (guppy)

Persistence and Degradability: No information available

Bioaccumulative Potential: No information available

Mobility in Soil: No information available

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Other adverse effects: No information available

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, IMDG, IATA UN2588

Proper Shipping Name
ADG PESTICIDE, SOLID, TOXIC, N.O.S. (Fipronil (ISO)), ENVIRONMENTALLY HAZARDOUS
IMDG, IATA PESTICIDE, SOLID, TOXIC, N.O.S. (Fipronil (ISO))

Dangerous Goods Class
ADG Class: 6.1 Toxic substances.

Packing Group:
ADG, IMDG, IATA III

EMS Number: F-A,S-A

Hazchem Code: 2X

Special Provisions: 61, 223, 274

Limited Quantities: 5 kg

Packagings & IBCs - Packing Instruction: P002, IBC08, LP02

Packagings & IBCs - Special Packing Provisions: B3

Portable Tanks & Bulk Containers - Instructions: T1

Portable Tanks & Bulk Containers - Special Provisions: TP33

15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:	
151-21-3	sodium dodecyl sulphate
8061-51-6	Lignosulfonic acid, sodium salt
25322-68-3	Polyethylene glycol

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:
Poisons Schedule: 6

16 . OTHER INFORMATION

Date of Preparation or Last Revision: 01.09.2026

Prepared by: MSDS.COM.AU Pty Ltd 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

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LC_{50}: Lethal concentration, 50 percent

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

LD_{50}: 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) 3: Acute toxicity, Hazard Category 3
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1
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 - December 2011”

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