



Safety Data Sheet

according to WHS Regulations

Printing date 10.01.2023

Revision: 10.01.2023

Product Name: 4FARMERS PYROXASULFONE 850WG HERBICIDE

1 Identification

Product Name: 4FARMERS PYROXASULFONE 850 HERBICIDE**Other Means of Identification:** Mixture**Recommended Use of the Chemical and Restriction on Use:** Agricultural herbicide**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 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.

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). However if transported by Air or Sea, this provision does not apply. Then the product is classed as Dangerous (Class 9 Environmentally Hazardous) by IATA and IMDG/IMSBC respectively. See details below and in Section 14 of this SDS.



environment

Aquatic Chronic 2 Category 1 H400 Very Toxic to aquatic life.

Chronic aquatic toxicity: Category 1 H410 Very Toxic to aquatic life with long lasting effects.



Skin Sensitisation 1 H317 May cause an allergic skin reaction.

Carcinogenicity: Category 2 H351 Suspected of causing cancer.

Specific target organ toxicity -repeated exposure Category 2

H373 May cause damage to organs through prolonged or repeated exposure

Signal Word : Warning**Hazard Statements**

H317 - May cause an allergic skin reaction.

H351 – Suspected of causing cancer

H373 – May cause damage to organs through prolonged or repeated exposure..

Precautionary Statements

P202 - Do not handle until all safety precautions have been read and understood.

P260 - Do not breathe dust.

P280 - Wear protective gloves / eye protection / face protection

P302+P352 IF ON SKIN: Wash with plenty of water.



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P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local regulation.

3 Composition and Information on Ingredients

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

Hazardous Components:		
447399-55-5	Pyroxasulfone Aquatic Chronic 2, H410; Acute Toxicity (Oral) 4, H302; Skin Sensitisation 1, H317	80%
Proprietary	Morwet D450 Skin Irritation 2, H317	>10%
	Other ingredients(non-hazardous) to 100%	

4 First Aid Measures

Inhalation:

Move the victim to fresh air and keep at rest. If symptoms persist, call a physician.

Skin Contact:

Take off contaminated clothing and shoes immediately. Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water. If symptoms persist, call a physician

Eye Contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation develops and persists.

Ingestion:

Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center immediately.

Most important symptoms and effects, both acute and delayed symptoms

To date no symptoms are known.

Indication of any immediate medical attention and special treatment needed Treatment

Treat symptomatically. There is no specific antidote. Gastric lavage is not normally required. However, if a significant amount (more than a mouthful) has been ingested, administer activated charcoal and sodium sulphate

5 Fire Fighting Measures

Suitable Extinguishing Media:

Water spray, Carbon dioxide (CO₂), Foam, Sand

Specific Hazards Arising from the Chemical:

In the event of fire the following may be released: Carbon monoxide (CO), Carbon dioxide (CO₂), Nitrogen oxides (NO_x), Sulphur oxides, Hydrogen fluoride, Hydrogen cyanide (hydrocyanic acid)



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Product Name: 4FARMERS PYROXASULFONE 850WG HERBICIDE**Advise for fire Fighters****Special Protective Equipment and Precautions for Fire Fighters:**

In the event of fire, wear self-contained breathing apparatus.

Further information:

Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat. Whenever possible, contain fire-fighting water by diking area with sand or earth. Collect contaminated fire extinguishing water separately. This must not be discharged into drains

Hazchem Code: 2Z

6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures Precautions

Avoid contact with spilled product or contaminated surfaces. When dealing with a spillage do not eat, drink or smoke. Use personal protective equipment. Keep unauthorized people away. Avoid dust formation.

Environmental precautions

Contain contaminated water and fire fighting water. If the product contaminates rivers and lakes or drains inform respective authorities

Methods and materials for containment and cleaning up**Methods for cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up or vacuum up spillage and collect in suitable container for disposal.

Additional advice

Inform appropriate authorities immediately if contamination occurs.

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. Contaminated work clothing must not be allowed out of the workplace. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Keep out of reach of children. Store in a cool, dry and well ventilated area. Keep in original container tightly closed when not in use. Keep away from direct sunlight.

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.



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Respiratory Protection:

Use an approved disposable mist 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:

Elbow-length PVC gloves, cotton overall buttoned to the neck and wrist, safety boots and a washable hat. See Australian Standards AS/NZS 2161, 2210.1 and 2210.2 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:	Water dispersible granules
Colour:	Pale brownish
Odour:	No data
Odour Threshold:	No information available
pH-Value:	7 -10 (1% w/v)
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	No information available
Flammability:	No Data
Auto-ignition Temperature:	No Data
Decomposition Temperature:	Not determined.
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Relative Density at 20 °C:	No information available
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Soluble in Water
Viscosity:	No information available

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: Heat, hot surfaces and direct sunlight.

Incompatible Materials: Strong oxidising agents.

Hazardous Decomposition Products: Toxic and irritant vapours.



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11 Toxicological Information

Toxicity:

Acute toxicity - Oral: LD50 (rat) > 2,000 mg/kg

Acute toxicity - Dermal : LD50 (rat) > 2,000 mg/kg

Acute toxicity - Inhalation LC50 (rat) > 6.56 mg/kg (4 hours)

Skin irritation : Not irritating (rabbit)

Eye irritation : Minimally irritating (rabbit)

Sensitization : Non sensitizer (guinea-pig)

Chronic toxicity: Not classified

Mutagenicity: Not classified

Carcinogenicity: Pyroxasulfone was not carcinogenic in lifetime feeding studies in mice. Pyroxasulfone caused an increased incidence of tumours in rats in the following organ(s): urinary bladder. The tumours seen with Pyroxasulfone were caused through a non-genotoxic mechanism, which is not relevant at low doses.

Reproduction toxicity: Not classified

Developmental toxicity: Not classified Classification of Hazardous

Information on likely routes of exposure

May be harmful if inhaled.

May cause skin irritation.

Skin sensitiser. May cause eye irritation.

Harmful if swallowed.

12 Ecological Information

12.1 Toxicity**Toxicity to fish**

LC50 (Oncorhynchus mykiss (rainbow trout)) > 2.2 mg/l Exposure time: 96 h

The value mentioned relates to the active ingredient pyroxasulfone.

LC50 (Lepomis macrochirus (Bluegill sunfish)) > 2.8 mg/l Exposure time: 96 h

The value mentioned relates to the active ingredient pyroxasulfone.

Toxicity to aquatic invertebrates

EC50 (Daphnia magna (Water flea)) > 4.4 mg/l Exposure time: 48 h

The value mentioned relates to the active ingredient pyroxasulfone.

Toxicity to aquatic plants

EC50 (Raphidocelis subcapitata (freshwater green alga)) 0.00079 mg/l Exposure time: 96 h

The value mentioned relates to the active ingredient pyroxasulfone.



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Product Name: 4FARMERS PYROXASULFONE 850WG HERBICIDE**Toxicity to other organisms**

LD50 (Colinus virginianus (Bobwhite quail)) > 2,250 mg/kg

The value mentioned relates to the active ingredient pyroxasulfone.

LD50 (Apis mellifera (bees)) 0.1mg/bee Exposure time: 48 h

The value mentioned relates to the active ingredient pyroxasulfone.

Persistence and degradability**Biodegradability**

Pyroxasulfone is not rapidly biodegradable

Pyroxasulfone does not bioaccumulate

Mobility in Soil

Pyroxasulfone is mobile in soils

Other adverse effects: No further relevant information available.**13 Disposal considerations**

Disposal Methods and Containers: Triple-rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. Do not burn empty containers or product.

Special Precautions for Landfill or Incineration:

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

14 Transport information**ADG****UN Number**

3077

IMDG, IATA

UN3077

Proper Shipping NameENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S. (PYROXASULFONE MIXTURE)**15 Regulatory information**

Registered according to the Agricultural and Veterinary Chemicals Code Act 1994 Australian Pesticides and Veterinary Medicines Authority approval number: 91294

SUSMP classification (Poison Schedule)

Schedule 6 (Standard for the Uniform Scheduling of Medicines and Poisons)



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16 Other information

Date of Preparation or Last Revision: 10.01.2023**Prepared by:** MSDS.COM.AU Pty Ltdwww.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 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)

Flammable Liquids 4: Flammable liquids – Category 4

Acute Toxicity (Oral) 4: Acute toxicity – Category 4

Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

Serious Eye Damage/Irritation 1: Serious eye damage/eye irritation – Category 1

Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A

Skin Sensitization 1: Skin sensitization, Hazard Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aspiration Hazard 1: Aspiration hazard – Category 1

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

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

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 - February 2016”

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