



4 Farmers ... For Farmers
Printing date 13.09.2016

SAFETY DATA SHEET

According to Safe Work Australia

Revision: 13.09.2016

1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: 4FARMERS DICAMBA 500 SELECTIVE 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. 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.

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



corrosion

Eye Dam. 1 H318 Causes serious eye damage.



Acute Tox. (Oral) 4 H302 Harmful if swallowed.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

Signal Word Danger

Hazard Statements

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

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.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P330 Rinse mouth.

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.

(Contd. on page 2)

SAFETY DATA SHEET



According to Safe Work Australia

Printing date 13.09.2016

Revision: 13.09.2016

Product Name: 4FARMERS DICAMBA 500 SELECTIVE HERBICIDE

(Contd. of page 1)

Hazardous Components:		
1918-00-9	Dicamba(ISO)	50%
 Eye Dam. 1, H318;  Acute Tox. (Oral) 4, H302; Aquatic Chronic 3, H412		

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, 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 glass of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: May cause mild respiratory irritation and loss of voice.

Skin Contact: May cause skin irritation.

Eye Contact: Causes serious eye damage, corneal clouding and irritation.

Ingestion: Harmful if swallowed. May cause irritation to mucous membranes.

Symptoms include loss of appetite, vomiting, weakness, slowed heart rate, shortness of breath, Central Nervous System (CNS) effects, incontinence, cyanosis and exhaustion.

5 . FIRE FIGHTING MEASURES

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

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon and nitrogen, other nitrogen compounds, hydrogen cyanide, smoke and water.

Product is not flammable or explosive.

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 respiratory protection, chemical resistant gloves, protective clothing and safety boots. 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. Wash area after spills.

(Contd. on page 3)

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 13.09.2016

Revision: 13.09.2016

Product Name: 4FARMERS DICAMBA 500 SELECTIVE HERBICIDE

(Contd. of page 2)

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 out of direct sunlight. Keep container tightly closed when not in use. Protect from exposure to light. Keep away from strong oxidising agents, strong acids and strong 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:

Respiratory protection is not required under normal use conditions.

Use an approved vapour 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:

Impervious elbow-length 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.

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:	Amber coloured
Odour:	Mild amine odour
Odour Threshold:	No information available
pH-Value:	8 - 9 (as supplied)
Melting point/Melting range:	~ -5 °C
Initial Boiling Point/Boiling Range:	~108 °C
Flash Point:	Not applicable
Flammability:	Product is not flammable.
Auto-ignition Temperature:	Not applicable
Decomposition Temperature:	No information available

(Contd. on page 4)

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 13.09.2016

Revision: 13.09.2016

Product Name: 4FARMERS DICAMBA 500 SELECTIVE HERBICIDE

(Contd. of page 3)

Explosion Limits:**Lower:** Not applicable**Upper:** Not applicable**Vapour Pressure at 20 °C:** 2.37 kPa (water vapour pressure)**Relative Density at 20 °C:** 1.185**Vapour Density:** As for water.**Evaporation Rate:** As for water.**Solubility in Water:** Completely soluble**Partition Coefficient (n-octanol/water):** 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:** Exposure to light.**Incompatible Materials:** Strong oxidising agents, strong acids and strong bases.**Hazardous Decomposition Products:**

Oxides of carbon and nitrogen, other nitrogen compounds, hydrogen cyanide, smoke and water.

11 . TOXICOLOGICAL INFORMATION

Toxicity:**LD₅₀/LC₅₀ Values Relevant for Classification:****1918-00-9 Dicamba(ISO)**

Oral	LD ₅₀	1190 mg/kg (mice)
		2000 mg/kg (rabbit)
		566 - 3000 mg/kg (guinea pig)
		757 - 1707 mg/kg (rat)
Dermal	LD ₅₀	2000 mg/kg (rabbit)
Inhalation	LC ₅₀	200 mg/L (rat)

Acute Health Effects**Inhalation:** May cause mild respiratory irritation and loss of voice.**Skin:** May cause skin irritation.**Eye:** Causes serious eye damage, corneal clouding and irritation.**Ingestion:**

Harmful if swallowed. May cause irritation to mucous membranes.

Symptoms include loss of appetite, vomiting, weakness, slowed heart rate, shortness of breath, Central Nervous System (CNS) effects, incontinence, cyanosis and exhaustion.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Causes serious eye damage.**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.

(Contd. on page 5)

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 13.09.2016

Revision: 13.09.2016

Product Name: 4FARMERS DICAMBA 500 SELECTIVE HERBICIDE

(Contd. of page 4)

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:**

Studies have shown that prolonged high levels of exposure causes weight loss and liver changes in rats. The Australian Acceptable Daily Intake (ADI) for dicamba for a human is 0.03 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 3 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:

Dicamba is practically non toxic to birds:

LD50 2009 mg/kg (mallard)

LC50 (8-day dietary) >10000 ppm (mallard)

LC50 (8-day dietary) >10000 ppm (bobwhite quail)

Aquatic toxicity:

Harmful to aquatic life with long lasting effects.

1918-00-9 Dicamba(ISO)

LC ₅₀ /48 h	110 mg/L (daphnia)
	35 mg/L (rainbow trout)
	40 mg/L (bluegill)
	465 mg/L (carp)
LC ₅₀ /96 h	100 mg/L (shrimp)
	135 mg/L (bluegill)
	135 mg/L (rainbow trout)
	>180 mg/L (crustacea)
	>180 mg/L (minnows)

Persistence and Degradability: Dicamba is moderately persistent in soil, with a half-life of 1 - 4 weeks.**Bioaccumulative Potential:** No information available**Mobility in Soil:**

Dicamba is highly soluble in water and does not adsorb to soil particles, so is highly mobile in soil and may contaminate groundwater.

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.

(Contd. on page 6)

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 13.09.2016

Revision: 13.09.2016

Product Name: 4FARMERS DICAMBA 500 SELECTIVE HERBICIDE

(Contd. of page 5)

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:

1918-00-9	Dicamba(ISO)
-----------	--------------

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

16 . OTHER INFORMATION

Date of Preparation or Last Revision: 13.09.2016

Prepared by: MSDS.COM.AU Pty Ltd

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)

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)

Acute Tox. (Oral) 4: Acute toxicity – Category 4

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

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

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 safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. 4Farmers Australia 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. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. 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.