



SAFETY DATA SHEET

According to Safe Work Australia

Issue Date: 14.12.2020

1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: 4FARMERS BUTAFENACIL 200 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. New Zealand 0800 764 766.

2. HAZARDS IDENTIFICATION

Hazard Statements



Signal Word: Warning

Specific target organ, repeated exposure – Category 2

Eye damage/irritation – Category 2B

Acute aquatic toxicity – Category 1

Chronic aquatic toxicity – Category 1

Hazard Statement:

H373 Causes damage to organs through prolonged or repeated exposure

H320 Causes eye irritation

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long-lasting effects

Precautionary Statements

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P264 Wash thoroughly after handling

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes

P337+P313 IF eye irritation persists: Get medical advice/a

P310 Immediately call a POISON CENTER or doctor/physician.

P314 Get medical advice/attention if you feel unwell.

P391 Collect spillage.

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

Caution: Butafenacil not yet tested completely.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.



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Hazardous Components:		
134605-64-4	Butafenacil	<25%
61791-26-2	Amines, tallow alkyl, ethoxylated	<1%
Secret	Non-hazardous ingredient	To 100%

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

4. FIRST AID MEASURES

Description of necessary First Aid Measure:

In case of poisoning by any exposure route contact a doctor or Poisons Information Centre on 131 126. Have the product label or SDS with you when calling or going for treatment.

Ingestion:

If swallowed, seek medical advice immediately and show this container or label. DO NOT induce vomiting.

Eye Contact:

Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 minutes or until the product is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Obtain medical attention immediately. Take special care if exposed person is wearing contact lenses.

Inhalation:

If symptoms of poisoning become evident, contact a Poisons Information Centre, or call a doctor at once. Remove source of contamination or move victim to fresh air. If breathing is difficult, oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. DO NOT allow victim to move about unnecessarily.

Skin Contact:

Wash gently and thoroughly with warm water (use non-abrasive soap if necessary) for 10-20 minutes or until product is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts) and completely decontaminate them before reuse or discard. If irritation persists, repeat flushing and seek medical attention.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Small fires: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Large fires: Alcohol-resistant foam or water spray.

Specific Hazards Arising from the Chemical:

The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment. DO NOT allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

In case of spillage it is important to take all steps necessary to

- Avoid eye and skin contact
- Avoid contamination of waterways
- Wear full length clothing and PVC gloves
- Keep all bystanders away.

Environmental precaution:

Prevent further leakage or spillage if safe to do so. DO NOT flush into surface water or sanitary sewer system.

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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. If absorbent material is not available or spill is too large, create a dike to stop spill from spreading. Collect the spilled material and place into a suitable container for disposal.

Avoid contamination of waterways. Wear full length clothing and PVC gloves. Keep all bystanders away. Decontaminate spill area with detergent and smallest volume water practicable and rinse.

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. Protect from prolonged exposure to direct sunlight and other sources of heat.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:

No exposure standards allocated.

The ADI for Butafenacil is set at 0.004mg/kg/day. The corresponding NOEL is set at 0.36mg/kg/day. ADI means Acceptable Daily Intake; NOEL means No-observable-effect-level. Data from Australian ADI List, March 2017. No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Engineering Controls: Ensure adequate ventilation of the working area.

Respiratory Protection:

Use an approved vapour respirator under conditions where exposure to the substance is apparent. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

PVC or 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.

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:

Protective glasses or goggles should be worn when this product is being used. Failure to protect your eyes may cause them harm. Emergency eye wash facilities are also recommended in an area close to where this product is being used.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Light and yellowish light brown liquid
Odour:	Characteristic odour
Odour Threshold:	No information available
pH-Value:	6-8 (1% solution)
Melting point/Melting range:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	>80 °C
Flammability:	Not available
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available

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Vapour Pressure:	No information available
Relative Density:	0.9 – 1.2
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Emulsifies into water

10. STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

Chemical Stability: Stable at normal conditions.

Conditions to Avoid: protect this product from light. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight.

Incompatible Materials: strong acids, strong bases, strong oxidizing agents.

Hazardous Decomposition Products: Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. May form nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmospheres. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Polymerization: This product will not undergo polymerization reaction.

11. TOXICOLOGICAL INFORMATION

Toxicity:

Acute Health Effects : Low toxicity

Skin: Moderate irritant.

Eye: Moderate irritant

Butafenacil Technical has been extensively tested on Laboratory mammals and in test tube systems.

No evidence was obtained of mutagenic, carcinogenic, tetragenetic neurotoxic or reproductive effects.

Butafenacil may cause damage to organs through prolonged or repeated exposure if swallowed. The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2. – Liver.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Aquatic toxicity: Moderately toxic to fish,

Oncorhynchus mykiss (Rainbow Trout): LC50 =5.0mg/L, 96h

Daphnia: Very toxic to daphnia

Algae Very highly toxic to Algae

Persistence and Degradability:

Butafenacil is not readily biodegradable.

Butafenacil is not persistent in water (Degradation half-life:3-6 d).

Butafenacil is not persistent in soil (Degradation half-life <7 d0

Mobility in Soil:

Butafenacil has low to high mobility in soil.

Bioaccumulative Potential: Butafencil does not bioaccumulate.

13 . DISPOSAL CONSIDERATIONS

Disposal Methods and Containers: For non-refillable containers: Triple rinse containers before disposal DO NOT dispose of undiluted chemical 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 container 500mm 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.

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14. TRANSPORT INFORMATION

UN Number	
ADG	Not regulated
IMDG, IATA	UN 3082
Proper Shipping Name	
ADG	Not regulated
IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S.
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
Environmentally hazards Transport	Marine pollutant

15. REGULATORY INFORMATION

Australian Inventory of Chemical Substances:

134605-64-4	BUTAFENACIL
61791-26-2	Amines, tallow alkyl, ethoxylated

16 . OTHER INFORMATION

Date of Preparation or Last Revision: 14.12.2020

Prepared by: 4Farmers Australia Pty Ltd

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 EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances

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)

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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