

MATERIAL SAFETY DATA SHEET

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STATEMENT OF HAZARDOUS NATURE

Hazardous according to criteria of Worksafe Australia
R22 - Harmful if swallowed
R36/38 - Irritating to eyes and skin
R65 - Harmful: May cause lung damage if swallowed
R63 - Possible risk of harm to the unborn child

COMPANY DETAILS:

Company: Aventis CropScience Pty Ltd A.C.N. 000 226 022
Address: 391 - 393 Tooronga Road, East Hawthorn, Victoria 3123
Telephone/Facsimile: (03) 9248 6888/(03) 9248 6800
Website Address: www.aventis.com.au
Emergency Telephone Number: 1800 033 111 – SHE Pacific

IDENTIFICATION

Product Name: **Buctril® MA Selective Herbicide**
Other Names: None assigned
Manufacturer's Product Code: Not available
SAP Product Code: 16955 (20 L)
UN Number: Not applicable
Dangerous Goods Class and Subsidiary Risk: Not classified as dangerous goods for transport by road or rail
Hazchem Code: Not applicable
Proper Shipping Name: Not applicable
Packaging Group: Not applicable
EPG: Not applicable
Chemical Family: Combination product
Poisons Schedule Number: 6
Use: For use as a selective agricultural herbicide

Physical Description/Properties

Appearance: A dark brown liquid with a solvent-like odour
Boiling Point: 180 - 220°C (of solvent)
Vapour Pressure: 13 hPa (of solvent)
Specific Gravity: 1.084 at 20°C
Flashpoint: Approximately 70°C
Flammability Limits: Not determined
Solubility in Water: Miscible
Formulation: Emulsifiable concentrate
Packaging: 20 L white HDPE plastic container

Ingredients:

Chemical Name:	CAS Number:	Proportion:
Bromoxynil present as the octanoate	[1689-99-2]	200 g/L
MCPA present as the ethyl hexyl ester	[29450-45-1]	200 g/L
Hydrocarbon solvent	[64742-94-5]	340 g/L
Non-ionic emulsifiers	(non hazardous)	<10%

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HEALTH HAZARD INFORMATION

Health Effects:

Acute:

Swallowed: Product is poisonous if swallowed. Harmful. Acute oral LD₅₀ for rats 864 mg/kg. May cause nausea and abdominal pain. Seek medical advice. Show this MSDS to a medical practitioner.

Eye: Attacks the eyes.

Skin: Will irritate the skin. Acute percutaneous LD₅₀ for rats >2160 mg/kg

Inhaled: Product is poisonous if inhaled. Will irritate mucous membranes of nose and mouth.

Other Health Effects

Chronic:

No other known health effects.

In 24-month feeding trials (technical MCPA), rats receiving 1.33 mg/kg bw/d and mice receiving 18 mg/kg bw/d showed no ill effects. In 90-day feeding trials (technical bromoxynil octanoate), no effect level for rats was 15.6 mg/kg bw/d; for dogs was 5 mg/kg bw/d. Non-carcinogenic (technical bromoxynil). Bromoxynil is a suspected teratogen. The compound produced birth defects in rats at oral doses above 35 mg/kg. Toxic effects included abnormal rib formation and reduced foetal weight. Newborn rabbits had birth defects when bromoxynil was administered to pregnant mothers at doses above 30 mg/kg. In the rabbit, birth defects included changes in bone formation in the skull and hydrocephaly.

First Aid

If poisoning occurs, contact a doctor or Poisons Information Centre (telephone: 13 11 26).

Swallowed: If swallowed, and if more than 15 minutes from a hospital, induce vomiting, preferably using Ipecac Syrup APF. Seek immediate medical assistance. Show this MSDS to a medical practitioner.

Eye: Immediately irrigate with copious quantities of water for at least 15 minutes. Seek medical assistance. Show this MSDS to a medical practitioner.

Skin: Remove contaminated clothing. Wash affected areas with plenty of soap and water.

Inhaled: Remove victim to fresh air. Seek medical advice. Show this MSDS to a medical practitioner.

First Aid Facilities: Ensure washing facilities are available.

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HEALTH HAZARD INFORMATION

- Advice to Doctor:** No specific antidote known. Treat symptomatically.
- Other First Aid** DO NOT attempt to give anything to a semi-conscious or unconscious person. In the case of poisoning by any exposure route, contact a doctor or Poisons Information Centre (telephone: 13 11 26).

PRECAUTIONS FOR USE

- Exposure Standards:** No occupational exposure standards have been established for the product or its ingredients.
- Engineering Controls:** Use in a well-ventilated area only.
- Personal Protection:** Product is poisonous if inhaled or swallowed. Attacks the eyes. Avoid contact with the eyes and skin. Do not inhale spray mist. When preparing the spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist, washable hat, elbow-length PVC gloves and face shield or goggles. If product in eyes, wash it out immediately with water. After use and before eating, drinking or smoking wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, face shield or goggles and contaminated clothing.
- Flammability:** Combustible.
- Other Use Precautions** To be used strictly in accordance with label instructions.

SAFE HANDLING INFORMATION

- Storage and Transport:** Keep out of reach of children. Wear long sleeved overalls and gloves while handling. After handling and before eating, drinking or smoking wash hands, arms and face thoroughly with soap and water. Store in the closed, original container in a dry, cool, well-ventilated area, out of direct sunlight. Store in locked room or place away from children, animals, food, feedstuffs, seed and fertilisers. Avoid contact with the eyes, skin and clothing or inhalation of product.
- Corrosivity Hazards:
Handling & Storage
Precautions:
Transport:**

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SAFE HANDLING INFORMATION (CONTINUED)

Spills and Disposal:	<p>Shut off all possible sources of ignition. DO NOT smoke. Avoid contact with eyes, skin and clothing or inhalation of product. Dealing with spills and disposals may result in the potential for increased personal exposure. During such operations it is recommended that the following protective clothing is worn:</p> <ul style="list-style-type: none">* Cotton overalls buttoned to the neck and wrist* Face shield or goggles* Elbow-length PVC gloves <p>CONTAIN SPILL and absorb with earth, sand, sawdust, clay, sweeping material or absorbent material and store in properly labelled, sealed drums for safe disposal in an approved landfill, or bury under at least 500 mm of soil in a non-crop, non-pasture area away from water sources or homes. DO NOT burn empty containers or product. Deal with all spillages immediately. Keep people away and upwind. If contamination of drains, streams, watercourses etc is unavoidable, warn the local water authority.</p>
Spillage or Leak Procedures:	
Waste Disposal Methods:	<p>Triple (or preferably) pressure rinse containers before disposal. Add rinsings to the spray tank. Do not dispose of undiluted chemicals on-site. Break, crush or puncture and bury empty containers in local authority landfill. If not available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers or product should not be burnt.</p>
Fire/Explosion Hazard:	
Extinguishing Media:	<p>Extinguish fire using: Foam, Carbon dioxide, Dry agent, Waterspray</p>
Special Fire Fighting Procedures:	<p>Full protective gear, including self-contained breathing apparatus (AS 1716:2000), must be worn.</p>
Reactivity Hazards:	<p>Stable under normal conditions of use. No dangerous reaction known under normal conditions of use.</p>
(Reactivity Data)	<p>CONDITIONS CONTRIBUTING TO INSTABILITY: Extreme heat and fire. INCOMPATIBILITY: Incompatible with some oxidising agents. HAZARDOUS DECOMPOSITION PRODUCTS: Toxic compounds of bromine and chlorine and oxides of carbon and nitrogen when heated to decomposition.</p>
Other Safe Handling:	<p>Neutralising chemicals: Not needed.</p>

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OTHER INFORMATION:

Toxicology:	Oral LD ₅₀ (mg/kg) Dermal LD ₅₀ (mg/kg) Inhalation LC ₅₀ (mg/L)	Species Species: Species:
Environmental/Ecological Effects:	Low hazard to bees. Dangerous to fish. DO NOT contaminate streams, rivers or waterways with the chemical or used containers. LC ₅₀ for rainbow trout (technical MCPA - 96 h) 232 mg/L; (technical bromoxynil octanoate - 48 h) 0.15 mg/L. DO NOT apply under meteorological conditions or from spraying equipment that could be expected to cause spray to drift onto nearby plants, adjacent crops, croplands or pastures. Acute oral LD ₅₀ for pheasants (technical bromoxynil octanoate) 175 mg/kg; for hens (technical bromoxynil) 240 mg/kg; for quail 100 - 125 mg/kg; for mallard ducks 200 mg/kg; for bobwhite quail (technical MCPA) 377 mg/kg. Avoid spray drift and vapour movement onto susceptible crops such as cotton, tobacco, tomatoes, vines, lupins, fruit trees and ornamentals.	
Special Precautions/Comments:		
Data Sources/References:	Rhone-Poulenc MSDS, List of designated hazardous substances (NOHSC: 10005 (1999))	

CONTACT POINT:

Emergency Contact Number: 1800 033 111 (SHE Pacific)
Development Manager: (03) 9248 6888

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

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