

Safety Data Sheet



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: YATES BINDII AND BROADLEAF LAWN WEED SPRAY

Supplier: Yates Australia, a division of DuluxGroup (Australia) Pty Ltd
ABN: 67 000 049 427
Street Address: 1 Gow Street,
Padstow, NSW 2211
Australia
Telephone Number: +61 2 9781 8777
Facsimile: +61 2 9781 8825
Emergency Telephone: **1 800 033 111 (ALL HOURS)**

2. HAZARDS IDENTIFICATION

This material is hazardous according to criteria of Safe Work Australia; HAZARDOUS SUBSTANCE.

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

Risk Phrases: Harmful by inhalation, in contact with skin and if swallowed. Very toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment. Possible risk of harm to the unborn child. Harmful: May cause lung damage if swallowed.

Poisons Schedule: S6 Poison.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Product Description: Selective herbicide to control bindii, clover and most other broadleaf weeds in grass lawns and turf. Dark brown liquid with a solvent odour.

Components	CAS Number	Proportion	Risk Phrases
Bromoxynil octanoate	1689-99-2	200 g/L	R22 R23 R43 R50/53 R63
MCPA, iso-octyl ester	26544-20-7	200 g/L	R20/21/22 R50/53
Solvent naphtha (petroleum)heavy arom.	64742-94-5	343 g/L	R65
Surfactants	-	to 100%	-

4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor.

Inhalation:

Remove victim from area of exposure - avoid becoming a casualty. Seek immediate medical advice.

Skin Contact:

If skin contact occurs, remove contaminated clothing and wash skin with soap and water. If irritation occurs, seek medical advice.

Eye Contact:

If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Product Name: YATES BINDII AND BROADLEAF LAWN WEED
SPRAY
Substance No: 000000020469

Issued: 01/04/2005

Version: 1

Safety Data Sheet



Ingestion:

If swallowed, do NOT induce vomiting. Give a glass of water. Get to a doctor or hospital quickly. Never give anything by the mouth to an unconscious patient.

Medical attention and special treatment:

Treat symptomatically. Aspiration can result in pulmonary oedema.

5. FIRE FIGHTING MEASURES

Hazards from combustion products:

Combustible liquid.

Precautions for fire fighters and special protective equipment:

On burning will emit toxic fumes, including those of hydrogen bromide, hydrogen chloride, hydrogen cyanide and other compounds of bromine, chlorine and nitrogen. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Suitable Extinguishing Media:

Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures:

SMALL SPILLS: Wear protective equipment to prevent skin and eye contact. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers for disposal.

Methods and materials for containment and clean up:

LARGE SPILLS: Shut off all possible sources of ignition. Clear area of all unprotected personnel. Avoid breathing in vapours. Work up wind or increase ventilation. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of sewers or waterways has occurred advise local emergency services.

7. HANDLING AND STORAGE

Classified as a C1 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.

This material is a Scheduled Poison S6 and must be stored, maintained and used in accordance with the relevant regulations.

Conditions for safe storage:

Store in a cool, dry place and out of direct sunlight. Store away from seeds, fertilisers, animal and human foodstuffs. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.

Precautions for safe handling:

Avoid skin and eye contact and breathing in vapour, mists and aerosols. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Safety Data Sheet



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Occupational Exposure Limits: No value assigned for this specific material by the National Occupational Health and Safety Commission.

Engineering controls:

Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

Personal Protective Equipment:

When opening the container, preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist, washable hat, elbow-length PVC gloves and goggles. 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, goggles and contaminated clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Colour:	Dark Brown
Odour:	Solvent
Solubility:	Emulsifiable with water. in water.
Specific Gravity:	1.07-1.09
Relative Vapour Density (air=1):	>1
Vapour Pressure (20 °C):	N Av
Flash Point (°C):	75 (PMCC)
Flammability Limits (%):	0.6-7 (solvent)
Autoignition Temperature (°C):	N Av
% Volatile by Volume:	30-40
Boiling Point/Range (°C):	190-270 (solvent)
pH:	N App
Viscosity:	N Av
Evaporation Rate:	N Av

10. STABILITY AND REACTIVITY

Chemical stability: Incompatible with oxidising agents.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion:	Swallowing can result in nausea, vomiting, diarrhoea, and abdominal pain. Breathing in vomit may lead to aspiration pneumonia (inflammation of the lung).
Eye contact:	May be an eye irritant.
Skin contact:	Contact with skin may result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis.
Inhalation:	Material may be irritant to the mucous membranes of the respiratory tract (airways). Breathing in vapour can result in headaches, dizziness, drowsiness, and possible nausea.

Safety Data Sheet



Long Term Effects:

No information available for the product. For BROMOXYNIL (1) : Evidence indicates that repeated or prolonged exposure to this chemical could result in effects on the kidneys and liver.

Toxicological Data: No LD50 data available for the product. For the constituent BROMOXYNIL (1):

Oral LD50 (rat): 365 mg/kg

Dermal LD50 (rat): >2000 mg/kg

Inhalation LC50 (rat): 0.72 mg/L/4 hours

ADI (Acceptable Daily Intake) for humans is 0.003 mg/kg bw/day.

12. ECOLOGICAL INFORMATION

Ecotoxicity Avoid contaminating waterways. For BROMOXYNIL (1):

Aquatic toxicity: Very toxic to aquatic organisms.

48hr LC50 (Daphnia magna): 0.046 mg/L

96hr LC50 (rainbow trout): 0.041 mg/L

Terrestrial toxicity: Non-toxic to bees.

Oral LD50 (ug/bee): >100 ug/bee

13. DISPOSAL CONSIDERATIONS

Disposal methods:

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor.

14. TRANSPORT INFORMATION

Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

UN No: 3082

Class-primary: 9 Miscellaneous Dangerous Goods

Packing Group: III

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS BROMOXYNIL)

Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.

UN No: 3082

Class-primary: 9 Miscellaneous Dangerous Goods

Packing Group: III

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS BROMOXYNIL)

Safety Data Sheet



15. REGULATORY INFORMATION

Classification: This material is hazardous according to criteria of Safe Work Australia; HAZARDOUS SUBSTANCE.

Hazard Category: Xn: Harmful
N: Dangerous for the Environment

Risk Phrase(s): R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Repr. Cat 3. R63: Possible risk of harm to the unborn child.
R65: Harmful: May cause lung damage if swallowed.

Safety Phrase(s): S2: Keep out of the reach of children.
S13: Keep away from food, drink and animal foodstuffs.
S23: Do not breathe vapour/mist/aerosol.
S24: Avoid contact with skin.
S36/37: Wear suitable protective clothing and gloves.
S61: Avoid release to the environment. Refer to special instructions Safety Data Sheets.
S62: If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

Poisons Schedule: S6 Poison.

This product is registered in Australia by the Australian Pesticides & Veterinary Medicines Authority (APVMA).

16. OTHER INFORMATION

(1) Supplier Material Safety Data Sheet; 12/ 2004.

Reason(s) for Issue:
First Issue Primary SDS

This safety data sheet has been prepared by SH&E Shared Services.
This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since DuluxGroup Limited cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their DuluxGroup representative or DuluxGroup Limited at the contact details on page 1.

DuluxGroup Limited's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.