



**CERTIFIED
ORGANICS**



**Material Safety
Data Sheet**

BioWeed™ Control

www.certifiedorganics.info

DATE OF ISSUE 1st April 2007
REPLACES 5th November 2003
AMENDMENT pH

EMERGENCY PHONE Poisons Information Centre
(AU) 13 11 26 (medical)

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1. Chemical Product and Company Name

Manufacturer/Supplier	Certified Organics Limited PO Box 1218 Box Hill BC Victoria Australia 3128 Phone +61 (3) 9817 6967 Fax +61 (3) 9817 6634 Email info@certifiedorganics.info
Product Name	BioWeed™ Control
Chemical Nature	Terpene alcohols and saponified fatty acids
Intended Use	Weed Control Spray

2. Composition/Information on Ingredients

Name	Alpha Terpineol from plant sources
CAS-nr	8002-09-3
Content	42.4-47%
R-phrases	R 38/41
Classification	Xi

3. Hazard Identification

HAZARD TO MAN/TARGET ORGAN EFFECTS

Ingestion	Large quantities may cause gastrointestinal irritation.
Eye Contact	Severe Irritant.
Skin Contact	Moderate Irritant.
Inhalation	Vapours and mists may be irritating to mucous membrane and respiratory system.
Environmental Classification	Biocide - harmful to plants. Expected to have no more than minor effects on aquatic organisms.

4. First Aid Measures

Inhalation	Remove patient to fresh air and seek medical attention if breathing becomes difficult.
Skin Contact	Wash off contamination with soap and water. Seek medical attention if irritation persists.
Eye Contact	Rinse immediately with plenty of water for several minutes whilst keeping the eye lids separated. Seek medical advice directly.
Ingestion	Drink water or milk. If large quantities have been swallowed or if you feel unwell, obtain medical attention.

5. Fire Fighting Measures

Flammability Not flammable.

6. Accidental Release Measures

ENVIRONMENTAL PROTECTION/CLEAN UP MEASURES

Large Spillages Collect as much as possible in a clean container for (preferable) reuse or disposal. Contain and/or absorb spill with inert material (e.g. sand, vermiculite, sawdust).

Small Spillages As for large spillages.

Personal Protection Goggles, rubber/PVC gloves and working clothes. If vapours or mist are generated use a breathing mask.

7. Handling and Storage

Handling Handle in a well-ventilated work place. Use normal handling precautions applicable to industrial chemicals.

Storage Store in closed containers.

8. Exposure Controls/Personal Protection

Respiratory Protection Good ventilation should be provided in working areas.

Skin Contact Use rubber/PVC gloves and working clothes. Contaminated clothing should be laundered before re-use.

Eye/Face Contact Goggles and eyewash station.

9. Physical and Chemical Properties

APPEARANCE

Form	Liquid
Colour	Pale Amber
Odour	Pinaceous
Melting Point/Boiling Point	101°C
pH	9.5-10.2
Viscosity	35-45 mPA.s at 20°C
Flash Point	>100°C (PMCC)
Vapour Pressure	<1mm Hg (20°C)
Vapour density (Air = 1)	5.30
Evaporation Rate	(Butyl acetate = 1): <1
Specific Gravity	(Water = 1) 0.95
Solubility	Soluble in water.

10. Stability and Reactivity

Hazardous Decomposition Oxides of carbon, nitrogen and water.

11. Toxicological Information

*** estimated from analogous products**

ACUTE TOXICITY

Oral Not classified as hazard (a) Test: OECD 423; GLP: Yes.
Dermal Not classified as hazard (a) Test: OECD 402; GLP: Yes.
Inhalation Not classified as hazard (a) Test: OECD 403; GLP: Yes.
(a - EU labelling regulations Council Directive 78/631/EEC)

IRRITATION DATA

Skin Contact Moderate irritant.
Eye Contact Severe irritant.

Sensitization Data Not sensitising (guinea pig Maximisation test)

Carcinogenicity And Mutagenicity Not listed by NTP*
Not listed under Cal Prop65*
Not regulated by OSHA*
Not evaluated by IARC*

Reproductive Toxicity None known

Teratogenicity None known

Additional Information Inhalation of mist may result in irritation of the mucous membranes.

12. Ecological Information

*** estimated from analogous products**

Biodegradability Degradable: >97% breakdown in 3-10D.

Aquatic Toxicity EC50 (fish; 96H) = 16.3 mg/l; EC50 (daphnia; 48H) = 10.9 mg/l.

Toxicity - Aquatic
and Terrestrial Plants Herbicide.

Acute Toxicity - Birds Not an acute oral hazard to vertebrates (rat).

Other Information Not expected to bioaccumulate (BCF <500).*

13. Disposal Considerations

Product Disposal May be disposed of by landfill or by incineration, subject to local
authorisation using licensed contractors.

Packaging Disposal As for product or triple rinse container with water and recycle.

14. Transport Information

Summary Flash point > 100°C (PMCC)

15. Regulatory Information

INTERNATIONAL CHEMICALS INVENTORIES

Europe - EINECS	Not listed.
USA - TSCA	All components listed.
Canada - DSL	In compliance.
Australia - AICS	In compliance.
Japan - MITI	In compliance.
R Phases	R41 (Risk of serious damage to eyes). R38 (Irritating to skin).
S Phases	S20/21 (When using do not eat, drink or smoke). S23 (Do not breathe vapours/spray). S24/25 (Avoid contact with skin and eyes). S26 (In case of contact with eyes, rinse immediately with plenty of water and seek medical advice). S28 (After contact with skin, wash immediately with plenty of soap and water). S29 (Do not empty into drains). S36/37/39 (Wear suitable protective clothing/suitable gloves/eyes or face protection).

16. Other Information

Issued By Certified Organics Ltd
Date of Issue 01-April-2007
Product Name BioWeed™ Control



PLEASE CONTACT US
FOR FURTHER INFO

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