



**CERTIFIED
ORGANICS**



**Material Safety
Data Sheet**

**BioBlossom™
Thinner
Concentrate**

www.certifiedorganics.info

DATE OF ISSUE 1st April 2007
REPLACES 29th April 2005
AMENDMENT R phrases

EMERGENCY PHONE National Poisons Centre
(NZ) 0800 764 766

Table of Contents

1. Chemical Product and Company Name.....	3
2. Composition/Information on Ingredients	3
3. Hazard Identification.....	3
4. First Aid Measures	3
5. Fire Fighting Measures	4
6. Accidental Release Measures.....	4
7. Handling and Storage	4
8. Exposure Controls/Personal Protection.....	4
9. Physical and Chemical Properties.....	4
10. Stability And Reactivity.....	5
11. Toxicological Information.....	5
12. Ecological Information.....	6
13. Disposal Considerations.....	6
14. Transport Information	6
15. Regulatory Information	6
16. Other Information.....	7

COPYRIGHT AND DISCLAIMER

Copyright 2007 Certified Organics IP Holdings Limited. No part of this work may be replicated or disseminated in any manner whatsoever without the express written permission of the proprietor. Products, processes and formulations described herein are protected by international patent registrations.

Important Information Disclaimer:

The information herein is provided on the basis of the information available to Certified Organics through a variety of sources at the time of publication. Externally provided data may or may not have been independently verified. Neither Certified Organics nor any client or article contributor represents that the contents are accurate or complete beyond our best intentions to provide such. Nor do we accept any liability for errors or omissions in the contents, however they may arise. Readers who act on this information do so at their own risk. Certified Organics may identify products by proprietary or trade names to help readers identify particular types of products. With the exception of our own Certified Organics branded products we do not endorse or recommend any of the products referred to, or any manufacturer thereof.

1. Chemical Product and Company Name

Manufacturer/Supplier	Certified Organics Limited P O Box 74 382 Auckland 1130 New Zealand Phone +64 (9) 525 3432 Fax +64 (9) 525 3462 Email info@certifiedorganics.info
Product Name	BioBlossom™ Thinner Concentrate
Chemical Nature	Terpene alcohols and saponified fatty acids
Intended Use	Blossom Thinning

2. Composition/Information on Ingredients

Name	Alpha Terpineol from plant sources
CAS-nr	8002-09-3
Content	69-77%
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

* estimated from analogous products

APPEARANCE

Form	Liquid
Colour	Pale amber
Odour	Pinaceous
Melting Point/Boiling Point	101°C
pH	9.2 - 10.2
Viscosity	39-45 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. Soluble in organics.
Odour Threshold	No Data
Percent Volatile	77-81%
Partition Coefficient	Octanol/Water Log Kow 3.60*

10. Stability and Reactivity

Hazardous Decomposition	Oxides of carbon and nitrogen.
Hazardous Reactions	None
Materials to Avoid	None

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)
UN/ID nr	-
ADR/RID (Road/Rail)	-
IMDG (Sea)	-
IATA/ICAO (Air)	-

15. Regulatory Information

R-Phrases	R41 (Risk of serious damage to eyes) R38 (Irritating to skin)
S-Phrases	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/eye or face protection)

INTERNATIONAL CHEMICALS INVENTORIES

Europe - EINECS	Not listed.
USA - TSCA	All components listed.
Canada - DSL	In compliance.
Australia - AICS	In compliance.
Japan - MITI	In compliance.

16. Other Information

Issued By	Certified Organics Ltd
Date of Issue	01-April-2007
Product Name	BioBlossom™ Thinner



PLEASE CONTACT US
FOR FURTHER INFO

info@certifiedorganics.info
or
www.certifiedorganics.info
