

SAFETY DATA SHEET

KIWICARE®

Product Name: LawnPro D-Thatch Concentrate

Issue Date: 10/12/2019

Page 1 of 9

1. PRODUCT AND COMPANY INFORMATION

Product Name:	LawnPro D-Thatch Concentrate
Relevant identified uses:	Accelerate crop trash breakdown
Supplier:	Kiwicare Corporation Limited
Street Address:	225 Maces Road, Bromley, Christchurch, 8062 New Zealand
Postal Address:	P.O Box 15050, Aranui, Christchurch, 8643 New Zealand
Telephone	+64 3 389 0778
Email:	info@kiwicare.co.nz
Website:	www.kiwicare.co.nz
Emergency Contact Numbers:	0800 764 766 (0800 POISON)
National Poisons Centre:	0800 764 766 (0800 POISON)

2. HAZARDS IDENTIFICATION

Dangerous Goods:	Non-hazardous thus not a DG (UN & HSNO)
Signal word:	None
UN number & UN Packaging Group:	None
Hazardous Substance (HSNO) Codes:	Non-hazardous

We are Kiwis providing expert local solutions that keep your place pest free and your garden healthy.

SAFETY DATA SHEET

Product Name: LawnPro D-Thatch Concentrate

Issue Date: 10/12/2019

Page 2 of 9

Hazard Statements: Non-hazardous

Precautionary Statements: P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P103: Read label before use.
P404: Store in a closed container.
P501: If they cannot be recycled, dispose of contents to an approved waste disposal plant and containers to landfill (see Section 13 of this SDS).

3. COMPOSITION/INFORMATION ON INGREDIENTS

Appearance: Light brown liquid with no odour

Ingredients

Ingredients	CAS #	Content %
Non-viable fermentation extracts	NA (mixture)	50 %
Other ingredients include water	NA (mixture) & 7732-18-5	To 100%

4. FIRST AID MEASURES

General information: You should call The Poisons Information Centre if you feel that you may have been irritated by this product. The number is 0800 764 766 in New Zealand and is available at all times. Have this SDS with you when you call.

Ingestion: If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

We are Kiwis providing expert local solutions that keep your place pest free and your garden healthy.

SAFETY DATA SHEET

KIWICARE®

Product Name: LawnPro D-Thatch Concentrate

Issue Date:10/12/2019

Page 3 of 9

4. FIRST AID MEASURES

Eye Contact:	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed, while holding the eyelid(s) open. Obtain medical advice immediately if irritation occurs. Take special care if exposed person is wearing contact lenses.
Skin Contact:	Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed.
Inhalation:	First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.
Advice for Medical Doctors:	Treat symptomatically. Call a doctor or poison control centre for guidance, or call NZ Poisons Centre on 0800 764 766.

5. FIRE FIGHTING MEASURES

Specific Hazards:	Formation of toxic gases may occur if heated such as carbon monoxide, and other unidentified organic and inorganic compounds.
Suitable Extinguishing Media:	Keep fire exposed containers cool by spraying with water. Appropriate fire extinguishers are CO ₂ , Powder or Alcohol resistant foam. Use extinguishing media appropriate to the surrounding conditions.
Fire Fighting Advice:	Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Keep unnecessary people away and move all other personnel to windward side of fire. Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of fire control water or other extinguishing agent and spillage safely later.

We are Kiwis providing expert local solutions that keep your place pest free and your garden healthy.

SAFETY DATA SHEET

KIWICARE®

Product Name: LawnPro D-Thatch Concentrate

Issue Date:10/12/2019

Page 4 of 9

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent leakage or spillage if safe to do so.
Minor Spills (Up to 20 kg):	Wear protective clothing. Clear area of unprotected personnel. Contain spill and collect. Do not allow product or washings to enter the waterways or sewer.
Major Spills (more than 20 kg):	Wear protective clothing. Clear area of unprotected personnel. Contain spill and collect. Do not allow product or washings to enter the waterways or sewer. If spill does enter waterway contact local authority. Contaminated absorbent and wash water should be disposed of according to local and national regulations. Collect in an appropriate sealable container for disposal in an approved landfill or incinerate at an authorised installation.

7. HANDLING AND STORAGE

Precautions for safe handling:	Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.
Conditions for safe Storage including incompatibilities:	Make sure that containers of this product are kept tightly closed. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Some liquid preparations settle or separate on standing and may require stirring before use. Check packaging - there may be further storage instructions on the label.

We are Kiwis providing expert local solutions that keep your place pest free and your garden healthy.

SAFETY DATA SHEET

Product Name: LawnPro D-Thatch Concentrate

Issue Date: 10/12/2019

Page 5 of 9

7. HANDLING AND STORAGE

Protection against fire and explosion: Keep away from heat sources even though the product is not combustible.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards: See 'Exposure limits' below (Workplace Exposure Standards and Biological Exposure Indices 10th edition)

Engineering Controls: Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.

Hand protection: Suitable chemical resistant gloves are recommended for applicants.

Eye protection: Wear safety glasses or full face shield if splashes are likely to occur.

Body protection: The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely.

General safety and hygiene measures: Handle in accordance with good hygiene and safety practice. Wearing of closed work clothing is recommended. Avoid contact with the skin, eyes and clothing. Store work clothing separately.

A Substance	CAS #	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³

None

We are Kiwis providing expert local solutions that keep your place pest free and your garden healthy.

SAFETY DATA SHEET

Product Name: LawnPro D-Thatch Concentrate

Issue Date:10/12/2019

Page 6 of 9

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour:	Light brown liquid with no odour
Boiling Point:	Approximately 100°C at 100kPa
Specific Gravity:	1.06-1.08 kg/L
Freezing / melting Point:	<0°C
pH Value:	3.8 – 4.1 (as supplied)
Solubility:	Soluble
Vapour Pressure:	2.37 kPa at 20°C (water vapour pressure)
Evaporation Rate:	As for water
Coefficient Oil/water Distribution:	No data

10. STABILITY AND REACTIVITY

Stability & Chemical reactivity:	Stable under normal conditions of use.
Incompatibility or conditions to be avoid:	No particular Incompatibilities.
Corrosive Properties:	Not corrosive.
Thermal Decomposition:	The formation of toxic/irritant gases/vapours may occur if heated.

11. TOXICOLOGICAL INFORMATION

<u>For the substance (final product):</u>	Non-hazardous
Acute Toxicity:	Non-hazardous
Skin corrosion/irritation:	Non-hazardous
Serious eye damage/eye irritation:	Non-hazardous
Respiratory or skin sensitization:	Non-hazardous
Germ cell mutagenicity:	Not mutagenic

We are Kiwis providing expert local solutions that keep your place pest free and your garden healthy.

SAFETY DATA SHEET

Product Name: LawnPro D-Thatch Concentrate

Issue Date:10/12/2019

Page 7 of 9

11. TOXICOLOGICAL INFORMATION

Carcinogenicity:	Not carcinogenic
Reproductive Toxicity:	No Reproductive toxicity
Specific target organ toxicity – single exposure & Repeated exposure:	No target organ toxicity
Aspiration hazard:	Non-hazardous
Potential health effects –	
Inhalation:	Non-hazardous
Ingestion:	Non-hazardous
Skin:	Non-hazardous

12. ECOTOXICITY INFORMATION

Aquatic toxicity:	No aquatic toxicity
Persistence and degradability:	Not applicable
Bioaccumulative potential:	Not applicable
Soil toxicity:	No soil toxicity
Other adverse effects:	None

This product is unlikely to adversely affect the environment. Expected to not be an environmental hazard.

13. DISPOSAL CONSIDERATIONS

Disposal:	Containers should be emptied as completely as practical before disposal. If possible, recycle product and containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site.
-----------	--

We are Kiwis providing expert local solutions that keep your place pest free and your garden healthy.

SAFETY DATA SHEET

Product Name: LawnPro D-Thatch Concentrate

Issue Date: 10/12/2019

Page 8 of 9

14. TRANSPORT INFORMATION

Road, Marine and Air

UN number: This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations

UN Proper Shipping Name: Not applicable

UN Dangerous Goods Class: Not applicable

UN Packaging Group: Not applicable

15. N.Z. REGULATORY INFORMATION

EPA HSNO Number: Non-hazardous and exempted from HSNO

HSNO Classifications: None

16. OTHER INFORMATION

SDS date of preparation: 27 / 08 / 2019

SDS date of revision: 27 / 08 / 2024

Emergency Contact 24 Hours
Work Hours National Poisons Centre
Kiwicare Corporation PO Box 913
225 Maces Road Dunedin
PO Box 15050 Tel: 0800 764 766 (POISON)
Christchurch
Tel: (03) 389 0778
Fax: (03) 389 0669

We are Kiwis providing expert local solutions that keep your place pest free and your garden healthy.

SAFETY DATA SHEET

Product Name: LawnPro D-Thatch Concentrate

Issue Date: 10/12/2019

Page 9 of 9

16. OTHER INFORMATION

All Safety Data Sheets are subject to review and should not be left longer than five years before and update is obtained.

For further information visit the Kiwicare web site, www.kiwicare.co.nz, or contact the supplier of the starting materials.

The information in this document should be made available to all who may handle the product. For proper and safe use of this product, please refer to the product label.

This information is based on data believed by Kiwicare Corporation Limited to be accurate at the time of writing. It is given in good faith but no warranty expressed or implied is made as to its accuracy, completeness or otherwise. Every person dealing with the materials referred herein does so at their own risk absolutely and must make independent determinations of suitability and completeness of information from all sources to ensure their proper use.

Attention is drawn to the application and safety instructions set out on the label. This sheet is not a substitute for safety, hazard or application instructions set out on the label. As Kiwicare Corporation Limited and their distributors have no control over storage or use of this product no liability for accident or damage will be accepted.

Abbreviations:

ADR: European agreement concerning the international carriage of dangerous goods by Road.

CLP: Classification, Labelling and Packaging

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organisation

RID: Regulations concerning the International carriage of Dangerous goods by rail.

GHS: Global Harmonized System

EU: European Union

EC: European Commission

TLV: Threshold Limit Value

TWA: Time Weighted Average

STEL: Short-Term Exposure Limit

H Phrase: Hazard phrase

P Phrase: Precautionary phrase

We are Kiwis providing expert local solutions that keep your place pest free and your garden healthy.