

## T02/05

T02/05 is a trial product developed by Lanotec. It has all the properties of our GP/HD products, such as :

**CORROSION INHIBITOR**

**MOISTURE BARRIER**

**NON CONDUCTIVE up to 70kv**

**NON TOXIC/ ACID RESISTANT**

AND contains a proven pesticide which we believe will deter insects from the areas that the T02/05 is applied to. This product does not yet have any pesticide approvals, and hence we can not make any claims regarding its ability to repel insects.

### AREAS OF USE

Electrical Cabinets

Switchgear

Electrical Cable Coatings



## **TRIAL PRODUCT REPORT – Timber Seal PLUS**

As one of a select group that is currently testing our trial product **T0205**, Lanotec Australia Pty Ltd would be grateful if you could fill in the following form so as to give us some feedback on how the product is performing. Should the product fail to achieve the expected results prior to the end of the trial, could you please fax this form back to Lanotec on **07 3373 3777**

**Company Name:** \_\_\_\_\_

**Contact Person:** \_\_\_\_\_

**Phone:** \_\_\_\_\_ **Fax:** \_\_\_\_\_ **Mobile:** \_\_\_\_\_

**Date of Application :** \_\_\_\_\_

**Description / Position:** \_\_\_\_\_

\_\_\_\_\_

**After 6 months:**

\_\_\_\_\_

\_\_\_\_\_

**After 12 months:**

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**After 18 months:**

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**After 24 months:**

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**Comments :** \_\_\_\_\_

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## 1. Statement of Hazardous Nature, Chemical Product and Company Identification

**Classified as hazardous according to criteria of NOHSC  
Not classified as a dangerous goods according to the ADG Code**

Product name: **DETER-ANT - TRIAL PRODUCT T0205**  
 Manufacturer's Code: T0205  
 Product Use: Corrosion inhibitor, lubricant, moisture barrier  
 Company: Lanotec Australia Pty Ltd  
 ABN: 87 096 795 621  
 Address: 1317 Ipswich Road, Rocklea Qld 4106  
 Telephone: 07 3373 3700 (office hours)  
 Facsimile: 07 3373 3777

## 2. Composition/Information on Ingredients

<i>Chemical</i>	<i>CAS Number</i>	<i>Proportion</i>
Hydrotreated heavy naphtha	64742-48-9	60 – 80%
Lanolin anhydrous	8006-54-0	20 - 40%
Other ingredients determined not to be hazardous		to 100%

## 3. Hazards Identification

Poisons Schedule: 5  
 Dangerous Goods Class: Not a dangerous good  
 UN Number: Not applicable  
 Hazchem Code: Not applicable  
 Hazard Category: X<sub>n</sub> Hazardous  
 Risk Phrases: R65 - Harmful: may cause lung damage if solvent is aspirated into lungs.  
*Emergency Overview:* Light brown liquid – Combustible  
 Potential Health Effects:

Acute: Inhalation: Vapour concentrations may result in possible headaches, dizziness and nausea.  
 Skin: Solvent may cause mild skin irritation.  
 Eye: Solvent used may cause moderate eye irritation.  
 Ingestion: Harmful if swallowed. Vomit entering the lungs by aspiration may cause chemical pneumonitis and lung damage.  
 Chronic: Inhalation: Remove to fresh air. Keep at rest until fully recovered. Seek medical advice if effects persist or aspiration has occurred.

## 4. First Aid Measures

Skin contact: Remove contaminated clothing. Wash with plenty of soap and water.  
 Eye contact: Immediately flush with plenty of water for several minutes. If irritation occurs and persists, seek medical advice.  
 Ingestion: Do not induce vomiting, as aspiration may occur and cause lung damage. Give a glass of water. Contact a doctor or Poisons Information Centre on 131126.  
 First Aid Facilities: Safety shower and eye wash basin desirable.  
 Note to Medical Personnel: Treat as for exposure to petroleum distillates and related hydrocarbons.

## 5. Fire Fighting Measures

Flashpoint : > 83°C  
 Auto-ignition Point: > 200°C  
 Flammability Limits (%): LEL = 0.6%; UEL = 7.0%  
 Specific Hazards Solvent is a combustible liquid. Solvent vapours may form explosive mixtures with air.  
 Degree of fire/explosion hazard: Slight explosion hazard when exposed to heat or flame.  
 Extinguishing media: Dry chemical powder, foam, carbon dioxide, water fog

## 5. Fire Fighting Measures cont.

Hazardous decomposition

products:

Carbon monoxide and carbon dioxide may be released in fire.

Special fire-fighting procedures:

Wear self-contained breathing apparatus. Use water sprays to cool exposed containers.

## 6. Accidental Release Measures

Slippery when spilt. Clean up immediately. Ventilate area thoroughly and wear a ventilator if necessary to minimise inhalation. Eliminate all sources of ignition and do not smoke. Move leaking containers to well-ventilated area. Empty containers retain solvent vapours and may present explosive or irritant vapour hazards. Small spills can be wiped up. Large spills should be dammed. Absorb spills with dirt, sand or other suitable absorbents for disposal. Prevent entry into drains, sewers and waterways.

## 7. Handling and Storage

Handling Advice:

Avoid handling product near extreme heat or ignition sources. However, on application, the hydrocarbon solvent evaporates (minimum 1-2 hours depending on ambient temperature). Therefore, treated items should not present a flammability hazard, once they have dried.

Storage Advice:

Combustible liquid - must be stored in combustible liquid stores complying with government regulations.  
Do not cut or weld empty containers.  
Schedule 5 poison - must be stored in accordance with State poisons regulations.

## 8. Exposure Controls / Personal Protection

Exposure Guidelines:

No occupational exposure standards have been assigned by NOHSC in Australia for any of the ingredients in this product. It is recommended that the Time Weighted Average (TWA) is 200 ppm, based on the total hydrocarbon content.

Engineering controls:

Keep away from heat and sources of ignition. Use only with adequate ventilation. Keep containers closed when not in use.

Personal Protective Equipment:

Use suitable protective equipment to avoid skin and eye contact.

## 9. Physical and Chemical Properties

Appearance:

Light brown liquid

Odour:

Distinctive wool fleece odour and solvent odour

Boiling point:

110 – 200°C (approx)

Specific Gravity:

0.81 - 0.83 @ 24°C (relative to water = 1)

Vapour pressure:

0.6 @ 38°C

Solubility:

Insoluble

Flammability Limits:

0.6 - 7.1%

Flash Point:

> 83°C

Auto-ignition Point:

> 200°C

Vapour Density:

> 1 (relative to air = 1)

## 10. Stability and Reactivity

Stability:

Stable to heat and light.

Conditions to avoid:

Combustible liquid - avoid extreme heat, flames, ignition sources.

Hazardous polymerisation:

Will not occur

## 11. Toxicological Information

No specific data is available for Lanotec T02/05. Information presented is for the ingredients. Liquid hydrocarbon solvent - certain straight run middle distillates have been found to produce skin tumours in laboratory studies, but these have usually been associated with a high level of irritation. It is suspected, but not proven, that these solvents may pose a risk to workers who have long term exposure to them. Liquid hydrocarbon solvents containing less than 0.1% benzene (1000 ppm) are not classified as carcinogenic by NOHSC.

## 12. Ecological Information

No specific data is available for Lanotec T02/05. Principal ingredients are lanolin and hydrocarbon solvent. Lanolin is biodegradable and is not regarded as hazardous. While no specific eco-toxicity data is available on the hydrocarbon solvent, such compounds are generally regarded as hazardous to aquatic environments. However, the hydrocarbon solvent evaporates after application, leaving behind a coating of lanolin. Therefore, treated items should not present an aquatic hazard, once they have dried.

## 13. Disposal

Do not hose spills down drains, sewers or waterways. Contact local waste disposal authority for advice, or pass to a licensed waste disposal company for disposal.

## 14. Transport Information

DG Class:	Not a dangerous good
UN No.:	Not applicable
Hazchem Code:	Not applicable
Packaging Group:	Not applicable
Proper Shipping Name:	Not applicable

## 15. Regulatory Information

Poisons schedule:	Schedule 5
Hazardous substance:	Category: X <sub>n</sub> Hazardous
	Risk phrases: R65 - Harmful - may cause lung damage if swallowed.
	Safety phrases: S2 - Keep out of reach of children.
	S23 - Do not breathe vapour.
	S62 - If swallowed, do not induce vomiting; seek medical advice.

## 16. Other Information

References:	<i>Industrial Organic Solvents</i> . by NOHSC Material Safety Data Sheet 6/02 Material Safety Data Sheet 8/99 Material Safety Data Sheet - Ingredients List of Designated Hazardous Substances [NOHSC:10005 (1995)] Australian Dangerous Goods Code, 6th Ed. Standard for the Uniform Scheduling of Drugs & Poisons. No 17.
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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.

26 November 2007

To Whom It May Concern:

**Re: Lanotec Australia Pty Ltd.: Product – T0205**

This detail is supplied to describe the environmental fate of bifenthrin as a component of the Lanotec Australia product T0205, and satisfy the requirements for use in contact with potable water.

There is no determinant or parameter for the concentration limits<sup>1</sup> of bifenthrin in potable water supplied by the World Health Organisation (WHO), and the environmental fate of bifenthrin<sup>2</sup> (Fecko, 1999) indicates that neither the product nor its components is soluble in water. This fact, coupled with the concentration of bifenthrin used in T0205 (< 0.01% v/v) suggests that the product can be used safely and effectively near waterways and water reticulation systems.

Any other environmental contamination is unlikely, due to the level of component in the overall product, which is applied in a thin film to achieve its effectiveness.

Moreover, there are no associated hazards from bifenthrin in these proportions, nor special handling requirements on application, other than those normally associated with applications of liquid lanolin products.

For further information on use, please consult the Material Safety Data sheet, or contact Lanotec Australia Pty Ltd: (07) 3373 3700.

Yours faithfully,

*Lisa Bateson*

Lisa Bateson BSc. LTSC  
(Bachelor of Science: Chemistry and Chemical Physics)

*On behalf of LANOTEC AUSTRALIA Pty Ltd*

<sup>1</sup> World Health Organisation, "Guidelines for Drinking Water Quality [electronic resource], Third Edition", 2006

<sup>2</sup> Fecko, Andrew: "Environmental Fate of Bifenthrin" (Environmental Monitoring and Pest Management Branch, Department of Pesticide Regulation, Sacramento, CA), 1999.

Date: Date 9<sup>th</sup> January 2007-  
Contact:  
Location: John TRAILL  
Telephone: South Stradbroke Island  
Your Reference: (07) 55 015590  
Our Reference: File Number PN 8394/328/16(P1)



Lanotec Australia Pty. Ltd  
PO Box 360  
Archerfield Qld 4108

Dear Geoff

**LETTER OF RECOMMENDATION FOR LANOTEC**

*Geoff, as you are aware, we have been using your Lanotec line of products on South Stradbroke Island for some two years now. We use it for everything that requires lubrication or protection from the harsh salt environment experienced on the Island. Some of the applications that we have used it for are locks, electrical switch gear, our three quad bikes, timber jetties, car door locks, battery terminal connections and switches on solar gear, etc.*


*The product has a myriad of applications and each one we have used it for has not had a failure. It has proved far superior to other lubrication/protection products that we have used on the Island. Of special interest was the Citra Force Cleaner. We have found that excellent for, among other things, the removal of graffiti.*

*We have also extensively used your Termite treatment with outstanding results and success, something that we do not get from conventional treatments on the market.*

*I am more than pleased with the resultant benefits we are obtaining from your products and will obviously be continuing with their use.*

*I also would have no qualms at all in recommending the benefits of your products should you wish*

Yours faithfully



John TRAILL  
OPERATIONS MANAGER  
SOUTH STRADBROKE ISLAND  
0429720566

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