

Infosafe No™ 3NV00	Issue Date : July 2017	ISSUED by NUFARM
--------------------	------------------------	------------------

Product Name **P-Pickel T Liquid Fungicidal Seed Dressing**

Classified as hazardous

## 1. Identification

<b>GHS Product Identifier</b>	P-Pickel T Liquid Fungicidal Seed Dressing
<b>Product Code</b>	1084
<b>Product Type</b>	Group 1 M3 Fungicide
<b>Company Name</b>	NUFARM AUSTRALIA LIMITED. (ABN 80 004 377 780)
<b>Address</b>	103-105 Pipe Road Laverton North Victoria 3026 Australia
<b>Telephone/Fax Number</b>	Tel: +61 3 9282-1000 Fax: +61 3 9282-1001
<b>Emergency phone number</b>	1800 033 498 (24hr Australia)
<b>Recommended use of the chemical and restrictions on use</b>	Product controls seed-borne and seedling root pathogens of peas, chickpeas, lentils, faba beans and vetch as specified in the Directions for Use Table on the label.
<b>Other Information</b>	

## 2. Hazard Identification

<b>GHS classification of the substance/mixture</b>	IT4 Acute Toxicity - Inhalation: Category 4 OT4 Acute Toxicity - Oral: Category 4 RE2 STOT Repeated Exposure Category 2 ED2A Eye Damage/Irritation: Category 2A SC-2 Skin Corrosion/Irritation: Category 2 SS-1 Sensitization - Skin: Category 1 SE-3RES STOT Single Exposure Category 3 (respiratory tract irritation) AC1 Hazardous to the Aquatic Environment - Long-Term Hazard: Category 1
<b>Signal Word (s)</b>	WARNING
<b>Hazard Statement (s)</b>	H332 Harmful if inhaled. H302 Harmful if swallowed. H373 May cause damage to organs through prolonged or repeated exposure. H319 Causes serious eye irritation. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H335 May cause respiratory irritation. H410 Very toxic to aquatic life with long lasting effects.
<b>General Precautionary Statement (s)</b>	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.
<b>Pictogram (s)</b>	Exclamation mark, Health hazard, Environment, The below pictograms are GHS Hazard symbols for workplace use only. See SECTION 14 for Dangerous Goods information.



<b>Precautionary statement – Prevention</b>	P261 Avoid breathing spray. P271 Use only outdoors or in a well-ventilated area. P264 Wash hands and exposed skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P260 Do not breathe spray. P280 Wear protective gloves, clothing, eye and face protection.
<b>Precautionary statement – Response</b>	P272 Contaminated work clothing should not be allowed out of the workplace. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P330 Rinse mouth.

Infosafe No™ 3NV00 Issue Date : July 2017 ISSUED by NUFARM

Product Name **P-Pickel T Liquid Fungicidal Seed Dressing**

Classified as hazardous

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P363 Wash contaminated clothing before reuse.

**Other Information** Poisons Schedule S6

### 3. Composition/information on ingredients

Chemical Characterization	Liquid		
Ingredients	Name	CAS	Proportion
	Thiram	137-26-8	360 g/L
	Thiabendazole	148-79-8	200 g/L
	Other ingredients (considered non-hazardous)		Balance

### 4. First-aid measures

<b>Inhalation</b>	Over-exposure by inhalation is improbable. Check for other causes of observed symptoms and seek medical advice.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Do not give anything by mouth to a semi-conscious or unconscious person. If swallowed do NOT induce vomiting; seek medical advice immediately and show this container or label or contact the Poisons Information Centre on 13 11 26 (Aust). Make every effort to prevent vomit from entering the lungs by careful placement of the patient.
<b>Skin</b>	Wash affected areas thoroughly with soap and water. Remove contaminated clothing and launder before re-use. If irritation persists, seek medical advice.
<b>Eye contact</b>	If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes. Seek medical advice immediately.
<b>First Aid Facilities</b>	If poisoning occurs, contact a doctor or the Poisons Information Centre (Australia) on 13 11 26.
<b>Advice to Doctor</b>	Treat symptomatically. Avoid giving alcohol - may cause vomiting and shock.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	If involved in a fire, the product will not burn. Choose extinguishing media to suit the burning material.
<b>Hazards from Combustion Products</b>	Non-combustible. If involved in a fire, the dehydrated components may emit hazardous smoke and fumes.
<b>Special Protective Equipment for fire fighters</b>	Breathable air apparatus must be worn if material is involved in fires especially in confined spaces.
<b>Specific hazards arising from the chemical</b>	Considered low risk due to water content, however upon evaporation of water the product is combustible.
<b>Other Information</b>	STOP FIRE WATER FROM ENTERING DRAINS OR WATER BODIES.

### 6. Accidental release measures

<b>Spills &amp; Disposal</b>	Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite). Collect spilled material and waste in sealable open-top type containers for disposal. On-site disposal of concentrate is not acceptable. Dispose of at a landfill in accordance with local regulations.
<b>Personal Protection</b>	For appropriate personal protective equipment (PPE), refer Section 8. If product has dried out and the possibility of dust generation exists, wear

Infosafe No™ 3NV00	Issue Date : July 2017	ISSUED by NUFARM
--------------------	------------------------	------------------

Product Name **P-Pickel T Liquid Fungicidal Seed Dressing**

Classified as hazardous

**Clean-up Methods - Large Spillages** a suitable respirator.  
Place damaged containers in recovery bins (if available) and return to manufacturer.  
If large liquid spills occur, attempt to recover as much spilt material from sumps and banded areas, as possible, before absorbing remaining material into vermiculite or other absorbent.

**Environmental Precautions** Prevent from entering drains, waterways or sewers.

## 7. Handling and storage

**Precautions for Safe Handling** Seed treated with this product must not be used for animal or human consumption or be allowed to contaminate seed intended for animal or human consumption.

**Conditions for safe storage, including any incompatibilities** Store in the closed, original container in a cool, well ventilated area.  
Do not store for prolonged periods in direct sunlight.  
Store in a locked enclosure.  
Keep container tightly sealed and do not store with seed, fertilisers or foodstuffs.

**Other Information** Always read the label and any attached leaflet before use.

## 8. Exposure controls/personal protection

Occupational exposure limit values	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Thiram			1		
<b>Other Exposure Information</b>	DFG (Germany) has set the following exposure standards for thiabendazole (inhalable aerosol) MAK TWA 20 mg/m3; PEAK 40. NOHSC has set the following exposure standard for propylene glycol : TLV (TWA) 10 mg/m3, STEL -.					
<b>Appropriate engineering controls</b>	Handle in well ventilated areas, generally natural ventilation is adequate.					
<b>Respiratory Protection</b>	If dusts are present, wear a class P2 dust mask.					
<b>Personal Protective Equipment</b>	It is good practice to wear suitable personal protective equipment (PPE). When opening the container and preparing the product for use, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC or nitrile gloves and goggles.					
<b>Hygiene Measures</b>	After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash contaminated clothing and safety equipment.					
<b>Requirements Concerning Special Training</b>	Check State or Territory regulations that require people who use pesticides in their job or business to have training in the application of the materials.					

## 9. Physical and chemical properties

**Form** Liquid

**Appearance** Opaque green liquid

**Solubility in Water** Disperses in water.

**Specific Gravity** 1.13

**pH** 8 - 8.5

**Vapour Pressure** 2.3 mPa @ 25°C for thiram; 0.00046 mPa @ 25°C for thiabendazole

**Volatile Component** ~40%

**Partition Coefficient: n-octanol/water** Kow Log P is 1.73 for thiram; 2.39 for thiabendazole.

**Flammability** Non combustible material.

## 10. Stability and reactivity

Infosafe No™ 3NV00	Issue Date : July 2017	ISSUED by NUFARM
--------------------	------------------------	------------------

 Product Name **P-Pickel T Liquid Fungicidal Seed Dressing**

Classified as hazardous

<b>Chemical Stability</b>	Stable under normal conditions.
<b>Incompatible Materials</b>	The addition of a strong acid will cause release of carbon disulfide vapour. Carbon disulphide is a volatile toxic liquid. TLC/TWA 31 mg/m <sup>3</sup> , autoignition temperature ~100°C.
<b>Possibility of hazardous reactions</b>	Keep away from strong oxidising agents.
<b>Hazardous Polymerization</b>	Hazardous polymerisation is not possible.

## 11. Toxicological Information

<b>Acute Toxicity - Oral</b>	LD50 (rat) 2600 mg/kg for thiram LD50 (rat) 3100 mg/kg for thiabendazole
<b>Acute Toxicity - Dermal</b>	LD50 (rabbit) >2000 mg/kg for thiram and thiabendazole
<b>Acute Toxicity - Inhalation</b>	LC50 (rat) (4hr) 4.42 mg/l for thiram LC50 (rat) (4hr) >0.5 mg/l for thiabendazole
<b>Ingestion</b>	Possible symptoms of exposure of the concentrate include: headache, arrythmia, shortness of breath, nausea and vomiting. Consumption of alcohol increases the toxic effects.
<b>Inhalation</b>	Not a likely route of exposure when handling the concentrate. May cause irritation to the respiratory tract.
<b>Skin</b>	Prolonged contact with the concentrate may cause irritation. Prolonged or repeated exposure may cause skin sensitisation.
<b>Eye</b>	The concentrate will cause irritation of the eyes.
<b>Skin Sensitisation</b>	Prolonged and repeated skin contact may result in skin sensitisation.
<b>Serious eye damage/irritation</b>	The product is an eye irritant.
<b>Respiratory Irritation</b>	The product is a respiratory irritant.
<b>Skin corrosion/irritation</b>	Mild to moderate skin irritant.
<b>Other Information</b>	The Australian Acceptable Daily Intake (ADI) for thiram for a human is 0.004 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 0.4 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species. (Ref: Comm. Dept. of Health and Ageing, Office of Chemical Safety, 'ADI List', March 2016). ADI for thiabendazole is 0.3 mg/kg/day, NOEL 3 mg/kg/day.

## 12. Ecological information

<b>Known Harmful Effects on the Environment</b>	The product is a marine pollutant for sea transport.
<b>Other Precautions</b>	Do not feed treated seed, or otherwise expose, to wildlife and domestic animals, particularly birds. Do not contaminate streams, rivers or waterways with the chemical or used containers.
<b>Acute Toxicity - Fish</b>	The following is data for the active ingredient, thiram. LC50 (96hr) for rainbow trout is 0.128 mg/l. LC50 (96hr) for bluegill sunfish is 0.0445 mg/l. The following is data for the ingredient, thiabendazole. LC50 (96hr) for rainbow trout is 0.55 mg/l. LC50 (96hr) for bluegill sunfish is 19 mg/l
<b>Acute Toxicity - Daphnia</b>	LC50 (48hr) for daphnia magna is 0.21 mg/l for thiram. LC50 (48hr) for daphnia magna is 0.81 mg/l for thiabendazole.
<b>Acute Toxicity - Other Organisms</b>	No threat to bees as product is used as a seed dressing. Birds: Not toxic to birds. LD50 for bobwhite quail (thiram) is >3950 mg/kg LD50 for bobwhite quail (thiabendazole) is >2250 mg/kg

## 13. Disposal considerations

Infosafe No™ 3NV00	Issue Date : July 2017	ISSUED by NUFARM
--------------------	------------------------	------------------

Product Name **P-Pickel T Liquid Fungicidal Seed Dressing**

Classified as hazardous

**Product Disposal** DO NOT dispose of undiluted chemicals on site. Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic collections of unwanted chemicals (ChemClear®).

**Container Disposal** Do not use this container for any other purpose.  
 Triple or preferably pressure rinse inner bladder or containers before disposal. Add rinsings to the spray tank. If recycling, replace cap and return clean containers to recycler or designated collection point.  
 If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal at an approved waste management facility.  
 If an approved waste management facility is not available, bury the empty packaging 500mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations.  
 DO NOT burn empty containers or product.

## 14. Transport information

**Transport Information** It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs.

**Storage and Transport** Considered non dangerous for road and rail transport (in packaging, including IBCs not greater than 3000 Lt each) by the Australian Code for the Transport of Dangerous Goods by Road and Rail. Ref: ADG7; SP No. AU01.

**UN Number (Sea Transport)** For bulk shipments as Class 9, use UN 3082, HazChem code 2Z.  
 3082

**IMO Class/Packing Group** Class 9; Packing Group III

**IMO Marine Pollutant** Marine Pollutant

**IMO Proper Shipping Name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
 (contains Thiram and Thiabendazole)

## 15. Regulatory information

**Regulatory Information** Australia: WHS regulations (2011) - Schedule 11: classification not listed.

**Poisons Schedule** S6

**Packaging & Labelling** POISON  
 KEEP OUT OF REACH OF CHILDREN  
 READ SAFETY DIRECTIONS BEFORE OPENING OR USING

**Other Information** This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA). APVMA product number: 49364.

## 16. Other Information

**Date of preparation or last revision of SDS** 04/07/2017

**Contact Person/Point** Normal Hours: Mrs Kathleen Marsh Phone: +61 3 9282 1000  
 After Hours: Shift Supervisor Phone: 1800 033 498

**Revisions Highlighted** The SDS was reviewed. Minor changes were made to the information and product has been rebranded.  
 ...End Of MSDS...

© Copyright ACOHS Pty Ltd

Copyright in the source code of the HTML, PDF, XML, XFO and any other electronic files rendered by an Infosafe system for Infosafe MSDS displayed is the intellectual property of Acohs Pty Ltd.

Copyright in the layout, presentation and appearance of each Infosafe MSDS displayed is the intellectual property of Acohs Pty Ltd.  
 The compilation of MSDS's displayed is the intellectual property of Acohs Pty Ltd.

Copying of any MSDS displayed is permitted for personal use only and otherwise is not permitted. In particular the MSDS's displayed cannot be copied for the purpose of sale or licence or for inclusion as part of a collection of MSDS without the express written consent of Acohs Pty Ltd.