



103 - 105 PIPE ROAD, LAVERTON NORTH, VIC. AUSTRALIA 3026  
Postal Address: PO Box 103, LAVERTON, VIC. AUSTRALIA 3028  
Telephone: 03 9282 1000 Fax: 03 9282 1001

<b>PRODUCT: FENITROTHION 1000 Insecticide</b>	<b>Infosafe No:NU012</b> <b>ISSUED: Dec 01</b>
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**Hazardous according to criteria of Worksafe Australia**

<b>UN NO....:3017</b>	<b>D.G.CLASS:6.1</b>	<b>CAS NO....:</b>
<b>HAZCHEM...:2 X</b>	<b>SUB. RISK:3</b>	
<b>SUSDP....: S6(FED) S6(NSW) S6(VIC) S6(SA) S6(WA) S6(Qld) S6(Tas) S6(NT)</b>		
<b>G.T.EPG...:6C1</b>	<b>SPEC.EPG.:</b>	<b>PACK. GRP:III</b>

PRODUCT IDENTIFICATION

**CORRECT SHIPPING NAME:**  
ORGANOPHOSPHORUS PESTICIDES, LIQUID, TOXIC, FLAMMABLE, N.O.S.

**OTHER NAMES:**

<b>TRADENAMES.:</b>	<b>MANUF.:</b>	<b>MANCODE:</b>
Fenitrothion 1000 Insecticide	NUFARM	1200

<b>INGREDIENTS:</b>	<b>CAS NO:</b>	<b>PROPORTION:</b>
<b>CHEMICAL ENTITY:</b>		
Fenitrothion	122-14-5	1000g/L
Xylene	1330-20-7	50-100g/L
Mixed proprietary surfactants (ethylene oxide condensates and anionics)	Mixture	100-200g/L

**PHYSICAL DESCRIPTION/PROPERTIES**

**APPEARANCE:**  
Clear, amber liquid with characteristic odour.

**BOILING POINT.....:** 138°C for solvent a.i. decomp >140°C

**MELTING POINT.....:** <0°C

**VAPOUR PRESSURE....:** 18mPa @ 20° for fenitrothion

**VOLATILE COMPONENT.:** approx 10%

**SPECIFIC GRAVITY...:** 1.24 @ 20°C

**FLASH POINT.....:** 34°C (c.c.)

**FLAMMABILITY LIMITS:** Lower 1.2; Upper 7.1

**AUTOIGNITION TEMP...:** about 480C but a.i. will decomp. at 100-140°C

**REL. VAPOUR DENSITY:** 3.2

**PH.....:** Neutral

**FORM.....:** Liquid

**OTHER PROPERTIES:**  
The product is not water soluble, but will mix with water to form a fine emulsion.



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**MATERIAL SAFETY DATA SHEET**

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**USE:**

For the control of various insects pests crops and pastures as per the Directions of Use Table.

HEALTH HAZARD INFORMATION

**ACUTE EFFECTS**

**SWALLOWED:**

Harmful if swallowed (R22).

This is not a common route of exposure. Accidental or deliberate swallowing of the concentrate is a significant hazard.

**EYE:**

Will cause irritation, and absorption into the body system may also be significant.

**SKIN:**

Readily absorbed even through unbroken skin and considered the most dangerous toxic route. Negligible damage to skin is expected to occur especially when related to the hazard from absorption.

**INHALED:**

Only considered a hazard during spraying operations.

**CHRONIC EFFECTS**

**CHOLINESTERASE INHIBITOR**

Chronic Over Exposure: Some delayed neurotoxic effects have been noted but no other chronic effects observed.

**OTHER HEALTH HAZARD INFORMATION**

Acute Over Exposure: The onset of symptoms tend to be rapid. Early signs and symptoms in acute poisoning are reported to be exhaustion, headache, weakness, confusion, vomiting, abdominal pain, excessive sweating and salivation. Difficulty in breathing may be experienced, due either to congestion of the lungs or weakness of the respiratory muscles. In very severe cases of poisoning, muscle spasm, unconsciousness and convulsions may develop and death may result from respiratory failure.

**FIRST AID**

**SWALLOWED:**

If swallowed give one atropine tablet every five minutes until dryness of the mouth occurs. See advice to Doctor.

**EYE:**

Irrigate thoroughly with copious quantities of water for 15 minutes.





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**TOXICITY DATA: - (continued)**

during long term exposure for the most sensitive indicators and the most sensitive species. (Ref: Comm. Dept. of Health and Aged Care, "ADI List", August 2001).

:::::::::::::::::::::::::::::::::::: **PRECAUTIONS FOR USE** ::::::::::::::::::::::::::::::

**EXPOSURE STANDARDS:**

No exposure standards have been set for this product. A limit has been set for the solvent, xylene at 80 ppm (350 mg/m<sup>3</sup>) TWA (time weighted average), and 150 ppm (655 mg/m<sup>3</sup>) STEL (short term exposure limit).

**ENGINEERING CONTROLS:**

Natural only, except in confined spaces when forced ventilation should be used, especially when handling the concentrate. The vapour concentration of the solvent can exceed the statutory limits for workplaces. The flashpoint of the product is 34 C, therefore on hot days vapour can build up in confined spaces and may track some distance to an ignition source.

**PERSONAL PROTECTION:**

Product is poisonous if absorbed by skin contact or inhaled or swallowed. Repeated minor exposure may have a cumulative poisoning effect especially on cholinesterase activity. Avoid contact with eyes and skin. Do not inhale spray mist. When opening the container, preparing spray and using prepared spray wear cotton overalls buttoned to the neck and wrist and washable hat, elbow length PVC gloves and face shield. When using in enclosed areas wear goggles and half-face respirator with combined dust and gas cartridge. If product on skin, immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. Obtain an emergency supply of atropine tablets, 0.6mg.

**FLAMMABILITY:**

Flammable.  
Flash point is 34 C.

**ENVIRONMENT:**

Marine Pollutant.  
Do not contaminate dams, rivers or streams with the chemical or used containers. Do not use container for any other purpose. Triple rinse empty container and add the rinsate to the spray tank. Dispose of the container in a responsible manner approved of by local authorities.  
Toxic to bees.  
DO NOT spray any plants in flower while bees are foraging.  
Toxic to fish.





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OTHER INFORMATION

User Data:

Contact Point:

Normal Hours: Mr. Volker Maier Phone: (03) 9282-1000  
After Hours: Shift Supervisor Phone: 1 800 033 498

End: Infosafe printed Material Safety Data Sheet - 10 December 2001