



MATERIAL SAFETY DATA SHEET

Section 1 – IDENTIFICATION OF MATERIAL AND SUPPLIER

Trade Name: ORANGE GUARD CRAWLING INSECT KILLER
Recommended Use: Insecticide for domestic use against crawling insect pests
Company Details: NATRAPEST PTY LTD,
Address: P.O Box 362, Bentleigh, VIC 3204
Emergency Telephone No: 1300 789 096

Section 2 - HAZARD IDENTIFICATION

Not hazardous in accordance with the NOHSC *Approved Criteria for Classifying Hazardous Substances* (NOHSC, 2004).

Risk Phrases: R22, R36

Section 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Substance: D-Limonene, CAS No: 5989-27-5
Mixture: D-Limonene 5.8%
 Other ingredients determined not to be hazardous: to 100%

Section 4 – FIRST AID MEASURES

IF SWALLOWED: Drink water. If symptoms occur seek medical attention and show product bottle or label.
IF IN EYES: Immediately irrigate with water or neutral saline solution. If irritation persists seek medical attention.
SKIN: Wash off with soap and water.
INHALED: If affected remove to fresh air; seek medical attention if irritation persists
FIRST AID FACILITIES: None required.

Medical Conditions Aggravated by Exposure: Possibly citrus allergies.

If poisoning occurs contact a Doctor or Poisons information centre. Phone Australia 131126, New Zealand 0800 764 766

Section 5 – FIRE FIGHTING MEASURES

No special measures required.

Section 6 – ACCIDENTAL RELEASE MEASURES

Emergency Procedures: In case of spillage avoid eye and skin contact and avoid contamination of waterways.

Small spills may be wiped up. Large spills should be absorbed by dirt, sand, or other suitable absorbents for disposal.

Disposal Method: Dispose of in local municipal landfill.

Section 7 – HANDLING AND STORAGE

Precautions for Safe Handling: May irritate eyes. Avoid contact with eyes. If product in eyes, wash immediately with water. Wash hands after use.

Conditions for Safe Storage: Store in the closed original container in a cool dry place out of reach of children and domestic animals.

Section 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection:	None Required
Eye Protection:	None Required
Skin Protection:	None required
Personal Hygiene:	Observe ordinary measures of hygiene

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White, opalescent liquid	Evaporation Rate:	Not volatile
Boiling Point:	99-100 °C.	PH:	6.1
Vapor Pressure:	0.82 @ 38°C.	Viscosity:	1.97 centipoise @ 38°C.
Vapor Density:	Not volatile	Miscibility:	Complete in all proportions
Water Solubility:	Readily soluble	Odour:	Citrus like
Freezing Point:	No data found		
Specific Gravity:	0.9753 g/ml		

Flash Point:	> 141 degrees F.	Oxidising properties:	Not oxidising
Ignition Temperature:	Not available	Combustibility:	Not applicable
Flammable Limits:	Not available	Corrosiveness:	Not corrosive
Explosive properties:	Not explosive		

Section 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable at normal and ambient temperature and pressure.
Conditions to Avoid:	None known
Incompatible Materials:	Not applicable
Hazardous Reactions:	Hazardous polymerisation does not occur.-+

Section 11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	LOW TOXICITY
Oral toxicity:	LOW TOXICITY In rats, LD50 > 5g/kg body weight
Dermal Toxicity:	LOW TOXICITY In rats, LD50 > 5g/kg body weight
Inhalation Toxicity:	LOW TOXICITY In rats, LC50 > 5.21mg/liter of air for a 4 hour period. All animals survived in apparent good health and exhibited normal weight gains during the 14 day study. No Gross changes were observed in any animals at terminal necropsy.
Eye Irritation:	Classified in toxicity category 3 for eye effects meaning corneal involvement clearing in 7 days or less.
Skin Irritation:	Not a known skin irritant. Caution is advised.
Sensitization:	Orange Guard is not a dermal sensitizing agent.
Tumorigenicity:	None
Mutagenicity:	None
Reproductive Toxicity:	None

Section 12. ECOLOGICAL INFORMATION

Biodegradable in soil.

May be harmful to aquatic organisms. Do not contaminate waterways with this product.

Section 13. DISPOSAL CONSIDERATIONS

Dispose of empty container by wrapping in paper, placing in a plastic bag and putting in garbage.

If recycling bottle after use, fill empty container with water and pour in garden, repeat and place in recycling bin.

Never place unused product down any indoor or outdoor drain.

Section 14. TRANSPORT INFORMATION

LAND TRANSPORT: Not a dangerous good in Australia
ADG

UN Number:	None allocated	Subsidiary Risk:	None allocated
UN Proper Shipping Name:	None allocated	Packing Group:	None allocated
Class:	None allocated	Special Precautions for User:	None allocated

SEA TRANSPORT: Not a dangerous good
IMDG

UN Number:	None allocated	Subsidiary Risk:	None allocated
UN Proper Shipping Name:	None allocated	Packing Group:	None allocated
Class:	None allocated	Marine Pollutant	Not regulated

AIR TRANSPORT: Not a dangerous good
IATA-DGR

UN Number:	None allocated	Class:	None allocated
UN Proper Shipping Name:	None allocated	Subsidiary Risk:	None allocated
		Packing Group:	None allocated

Section 15. REGULATORY INFORMATION

APVMA Product number: 67295

Poisons Schedule (SUSDP): Not scheduled

Section 16. OTHER INFORMATION

Date of preparation or last revision: April 2013

Source of Data: The information provided in this SDS is sourced from the manufacturer Orange Guard Inc in the USA and from the Office of Chemical Safety (OCS) in Australia. A package of acute toxicological data for this product was submitted to the OCS and was evaluated by expert toxicologists.

Note: This product is a registered agricultural chemical and must, therefore, be used in accordance with the container label directions

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