

Material Safety Data Sheet

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	SHIELD CHEMICALS Insectashield Water Based	Manufacturer:	LEFT PILLAR Pty Ltd T/A SHIELD CHEMICALS
Codes:	SCIWB	ABN:	48 162 239 741
Application:	Water based residual insecticide concentrate for interior application	P. O. Box	531, Revesby NSW 2212
Emergency number	Mon-Fri 9am -5pm		1300 519 074

2. HAZARDS IDENTIFICATION

Statement of Hazardous Nature

Environmental hazard. Classified as hazardous according to the criteria of Worksafe Australia, and not classified as a dangerous good according to the ADG code.

Risk phrases:R51/53 Toxic to aquatic organisms, may cause long term adverse effects on the aquatic environment.

Safety phrases

S2: Keep out of reach of children

S24/25: Avoid contact with skin and eyes.

S61 Avoid release to the environment

S62: If swallowed, do not induce vomiting: seek medical advice and show this container or label..

Hazard Category Environmental hazard

Symptoms & Effects No data.

Other Hazard Information: Avoid release to waterways.

3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	PROPORTION %	CAS NUMBER
Water	>60%	N/A
Permethrin 25:75	0.5%	52645-53-1
Alethrin	<0.5%	28434-80-6

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4

times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

For advice contact the Poisons Information Centre (Phone Australia phone 13 1126; New Zealand 0800 764 766) or a doctor.

4. FIRST AID MEASURES

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this MSDS with you when you call.

Inhalation Remove victim to fresh air. Investigate possible misuse of material. Seek medical attention.

Ingestion Rinse mouth thoroughly with water immediately. Give water to drink. DO NOT induce Vomiting. Seek immediate medical attention. Never give anything by mouth to an unconscious person

Eye Remove contact lenses. Immediately irrigate with copious amounts of water for at least 15 minutes. Eyelids to be held open. Seek medical assistance.

Skin Wash affected areas with water.

First Aid Facilities Normal washroom facilities.

Advice to Doctor Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Use water, dry chemical, or foam extinguishing media suitable for surrounding fire situation.

Specific Hazards Nil.

Precautions in

connection with Fire Firefighters should wear Self-Contained breathing Apparatus and full protective clothing to minimise exposure. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. If safe to do so, remove undamaged containers from fire area.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal Contain and collect using absorbent material. Dispose of waste to approved landfill.

7. HANDLING AND STORAGE

Handling	Avoid skin or eye contact. Avoid breathing vapour. Exposure to the concentrate without personal protection should be avoided in order to lessen the possibility of disorders. It is essential that all who come into contact with this material maintain good standards of personal hygiene ie. washing hands prior to eating, drinking or going to the toilet. Keep container closed .
Storage	Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Store in a cool place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits	No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC). However as with all chemicals, exposure to concentrate should be kept to the least possible levels.
Respiratory Protection	Not necessary for general use other than good natural ventilation.
Eye Protection	Safety glasses when handling concentrate.
Hand Protection	Plastic or rubber gloves recommended.
Body Protection	Not required.
Eng. Controls	Ensure good natural ventilation for general use. For confined space work, ensure localized exhaust is provided.
Other information	No Biological Limit Value allocated.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odour	Clear water white to light brown low viscosity liquid. Lavender odour.
Boiling Point	No data.
Solubility in Water	Forms an unstable emulsion.
Specific Gravity (H₂O = 1)	1.00
Physical State	Liquid.
pH	6.5
Flash Point	Not applicable
Flammability	Non flammable
Flammable Limits LEL	No data
Flammable Limits UEL	No data.



10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions of storage and handling. Avoid excessive heat during storage.
Hazardous Polymerization	Will not occur.
Materials to Avoid	Oxidizing chemicals. Strong mineral acids.
Hazardous Decomposition Products	Nil
Hazardous Reaction	Nil.

11. TOXICOLOGICAL INFORMATION

Toxicology	No data on product. Toxic to aquatic organisms. Each ingredient demonstrates a low level of human toxicity and it is expected that the blend will show similar low toxicity.
Inhalation	Breathing in aerosols may produce respiratory irritation.
Ingestion	Not a likely source of exposure, however, may cause irritation to skin tissue. Potential symptoms include nausea, diarrhoea, abdominal pain and vomiting.
Skin	May be irritating to skin on contact with the concentrate. Incidental contact can cause redness, itchiness, swelling and possibly lead to dermatitis.
Eye	Eye irritant.
Chronic Effects	No known adverse effects.

12. ECOLOGICAL INFORMATION

Environ. Protection	Harmful to aquatic life when diluted and in concentrate form. Not harmful to birdlife.
Mobility	No data is available for this product.
Persistence / Degradability	No data is available for this product. Considered readily biodegradable.
Bioaccumulation	No data is available for this product.
Ecotoxicity	No data is available for this product.

13. DISPOSAL CONSIDERATIONS

Dispose of waste according to federal, E.P.A., state and local regulations. Assure conformity with all applicable regulations.

14. TRANSPORT INFORMATION

U.N. Number	Nil
Proper Shipping Name	Nil
DG Class	Nil
Hazchem Code	Nil
Packing Group	Nil
EPG Number	None Allocated
IERG Number	None allocated

15. REGULATORY INFORMATION

Poisons Schedule S5

AICS (Australia) All ingredients are listed in the Australian Inventory of Chemical Substances (AICS), European (EINECS), and US (TOSCA) inventory lists.

16. OTHER INFORMATION

Date of Preparation: 04/03/2014
Issue date: 04/03/2014
Reasons for Update: N/A.

Key Legend Information:

NOHSC - National Occupational Health & Safety Commission

ADG Code - The Australian Dangerous Goods for the Transport of Dangerous Goods by Road and Rail, (ADG Code)

TWA - Time Weighted Average

STEL - Short Term Exposure Limit

EPA - Environmental Protection Agency

AICS- Australian Inventory of Chemical Substances

SWA - Safe Work Australia, formerly ASCC and NOHSC

CAS number - Chemical Abstracts Service Registry Number

IARC - International Agency for Research on Cancer

NTP - National Toxicology Program (USA)

R-Phrase - Risk Phrase

SUSDP - Standard for the Uniform Scheduling of Drugs & Poisons

UN Number - United Nations Number

Principal References:

- The National Code of Practice for the Preparation of Material Safety Data Sheets, 2nd Edition
- NOHSC:2011(2003)
- Standard for the Uniform Scheduling of Drugs and Poisons No. 21 Effective date 1 June 2006
- National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]
- The Australian Dangerous Goods for the Transport of Dangerous Goods by Road and Rail, (ADG Code).

Disclaimer:

The above information is accurate to the best of the knowledge available to us. However, since data, safety standards and Government regulations are subject to change, and the conditions of handling and use (or misuse) are beyond our control, we make no warranty, either express or implied, with respect to the completeness or continuing accuracy of the information contained herein AND disclaim all liability for reliance thereon. Users should satisfy themselves that they have all data relevant to their particular use.

End of MSDS