

# Safety Data Sheet



## Hazardous Substance, Dangerous Goods

### 1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **Blitzem! Indoor Outdoor Barrier Spray**

**Synonyms:**

Blitzem! Indoor Outdoor Barrier Spray

**Product Code**

51707

**Bar Code**

9310428517075

**Recommended use:** Residual household insecticide for the control of cockroaches, ants, spiders, fleas, silverfish and clothes moths.

**Supplier:**

Yates, a division of  
DuluxGroup (New Zealand) Pty Ltd

**ABN:**

55 133 404 118 / Co. 2355191

**Street Address:**

150 Hutt Park Road

Lower Hutt

New Zealand

**Telephone:**

0800 693 297

**Emergency telephone number:**

**Australia – 1800 033 111**

**New Zealand – 0800 734 607**

### 2. HAZARDS IDENTIFICATION

This material is hazardous according to health criteria of EPA New Zealand

Hazardous Substance - HSNO Approval Number HSR000263



**Signal Word**

Danger

**HSNO Hazard Classification**

- 6.5A Substances that are respiratory sensitisers
- 6.5B Substances that are contact sensitisers
- 9.1A Substances that are very ecotoxic in the aquatic environment
- 9.4B Substances that are ecotoxic to terrestrial invertebrates

**Hazard Statement(s)**

- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
- H317 May cause an allergic skin reaction
- H410 Very toxic to aquatic life with long lasting effects
- H442 Toxic to terrestrial invertebrates

**Prevention Precautionary Statement(s)**

- P102 Keep out of reach of children
- P103 Read label before use
- P261 Avoid breathing mist, vapours or spray
- P272 Contaminated work clothing should not be allowed out of the workplace
- P273 Avoid release to the environment

**Product name: Blitzem! Indoor Outdoor Barrier Spray**

**SDS No: YTSNZLEN000278**

**Issued: 1 June 2015**

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P280 Wear protective clothing, gloves, eye/face protection and suitable respirator as required  
P285 In case of inadequate ventilation wear respiratory protection

## Response Precautionary Statement(s)

P101 If medical advice is needed, have product container or label at hand  
P302+352 IF ON SKIN: Wash with soap and water  
P333+313 If skin irritation or a rash occurs: Get medical advice/attention  
P363 Wash contaminated clothing before reuse  
P304+341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing  
P342+311 Call a POISON CENTER or doctor/physician  
P391 Collect spillage

## Storage Precautionary Statement(s)

P404 Store in a closed container

## Disposal Precautionary Statement(s)

P501 Dispose of contents/container in accordance with local, regional, national and international regulations

## DANGEROUS GOODS CLASSIFICATION

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

**Class:** 9 Miscellaneous Dangerous Goods

## 3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO.	PROPORTION
Permethrin	52645-53-1	3 g/L
Allethrin	584-79-2	1 g/L
Ethanol	64-17-5	1 - 10%
Ingredients determined to be non-hazardous	-	Balance
		100%

## 4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

**Inhalation:** Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have a qualified person give oxygen through a facemask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek immediate medical advice.

**Skin contact:** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

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**Eye contact:** If in eyes wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

**Ingestion:** Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. If vomiting occurs give further water. Seek medical advice.

**PPE for First Aiders:** Wear overalls, safety glasses and impervious gloves. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**Notes to physician:** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Hazchem Code:** •3Z

**Suitable extinguishing media:** If material is involved in a fire use alcohol resistant foam, standard foam or dry agent (carbon dioxide, dry chemical powder).

**Specific hazards:** Non-combustible material.

**Fire fighting further advice:** Not combustible, however following evaporation of aqueous component residual material can burn if ignited. On burning may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

## 6. ACCIDENTAL RELEASE MEASURES

### SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Wipe up with absorbent (clean rag or paper towels). Allow absorbent to dry before disposing with normal household garbage.

### LARGE SPILLS

Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of crops or waterways has occurred advise emergency services or State Department of Agriculture.

**Dangerous Goods – Initial Emergency Response Guide No:** 47

## 7. HANDLING AND STORAGE

**Handling:** Avoid skin and eye contact and inhalation of vapour, mist or aerosols.

**Storage:** Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.

This material is classified as a Dangerous Good Class 9 Miscellaneous Dangerous Good as per the criteria of the Australian Dangerous Goods Code and must be stored in accordance with the relevant regulations.

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**National occupational exposure limits:** No value assigned for this specific material by Safe Work Australia or Department of Labour New Zealand.

However for:

	TWA		STEL		CARCINOGEN CATEGORY	NOTICES
	ppm	mg/m3	ppm	mg/m3		
Ethanol	1,000	1,880	-	-	-	-

As published by the Safe Work Australia or Department of Labour New Zealand.

WES-TWA (Workplace Exposure Standard – Time-weighted Average). The time-weighted average exposure standard designed to protect the worker for the effects of long-term exposure.

WES-STEL (Workplace Exposure Standard - Short-Term Exposure Limit). The 15-minute average exposure standard. Applies to any 15-minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue changes, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

**Biological Limit Values:** As per the “National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)” the ingredients in this material do not have a Biological Limit Allocated.

**Engineering measures:** Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Keep containers closed when not in use.

**Personal protection equipment:** OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES

### *MANUFACTURING, PACKAGING AND TRANSPORT:*

Wear overalls, safety glasses and impervious gloves. Available information suggests that gloves made from nitrile rubber be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

### *RECOMMENDATIONS FOR CONSUMER USE:*

Wear gloves. Wash hands after use.

**Hygiene measures:** Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid skin and eye contact and inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form / Colour / Odour:** White, cloudy liquid with a mild, characteristic odour.

<b>Solubility:</b>	Emulsifiable in water.
<b>Specific Gravity (20 °C):</b>	1.0
<b>Relative Vapour Density (air=1):</b>	>1
<b>Vapour Pressure (20 °C):</b>	N Av
<b>Flash Point (°C):</b>	N App
<b>Flammability Limits (%):</b>	N App
<b>Autoignition Temperature (°C):</b>	N App
<b>Melting Point/Range (°C):</b>	N Av
<b>Boiling Point/Range (°C):</b>	Approx. 100
<b>pH:</b>	6.0 - 7.0
<b>Total VOC (g/Litre):</b>	N Av

(Typical values only - consult specification sheet)

N Av = Not available

N App = Not applicable

## 10. STABILITY AND REACTIVITY

**Chemical stability:** This material is thermally stable when stored and used as directed.

**Hazardous reactions:** No known hazardous reactions.

**Conditions to avoid:** Elevated temperatures and sources of ignition.

**Incompatible materials:** Oxidising agents.

**Hazardous decomposition products:** Oxides of carbon and nitrogen, smoke and other toxic fumes.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

### Acute Effects

**Inhalation:** Material may be an irritant to mucous membranes and respiratory tract. A respiratory sensitiser. Can cause possible allergic reactions.

**Skin contact:** Contact with skin may result in irritation. A skin sensitiser. Repeated or prolonged skin contact may lead to allergic contact dermatitis. May cause tingling, burning, itching or numbness in exposed areas which is transient, that can last up to 36 hours.

**Ingestion:** Swallowing can result in nausea, vomiting and abdominal pain.

**Eye contact:** May be an eye irritant.

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## Acute toxicity

**Inhalation:** This material has been classified as non-hazardous.

**Skin contact:** This material has been classified as non-hazardous.

*For the active constituents:*

*PERMETHRIN*

*Dermal LD50 (rabbit):* >2,000 mg/kg

*AELLETHRIN*

*Dermal LD50 (rat):* 538 - 666 mg/kg

**Ingestion:** This material has been classified as non-hazardous.

*For the active constituents:*

*PERMETHRIN*

*Oral LD50 (rat):* 220 mg/kg

*AELLETHRIN*

*Oral LD50 (mouse):* 210 mg/kg

**Corrosion/Irritancy:** Eye: this material has been classified as not corrosive or irritating to eyes.

Skin: this material has been classified as not corrosive or irritating to skin.

**Sensitisation:** Inhalation: this material has been classified as a Category 6.5A Hazard (respiratory sensitiser).

Skin: this material has been classified as a Category 6.5B Hazard (skin sensitiser).

**Aspiration hazard:** This material has been classified as non-hazardous.

**Specific target organ toxicity (single exposure):** This material has been classified as non-hazardous.

## Chronic Toxicity

**Mutagenicity:** This material has been classified as non-hazardous.

**Carcinogenicity:** This material has been classified as non-hazardous.

**Reproductive toxicity (including via lactation):** This material has been classified as non-hazardous.

**Specific target organ toxicity (repeat exposure):** This material has been classified as non-hazardous.

## 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

**Acute aquatic hazard:** This material has been classified as a Category Acute 9.1A Hazard.  
Acute toxicity estimate (based on ingredients): <1 mg/L

*For the active constituents:*

*PERMETHRIN*

96hr LC50 (rainbow trout): 0.0001 mg/L

48hr LC50 (*Daphnia magna*): 0.00055 mg/L

*ALLETHRIN*

96hr LC50 (salmon): 0.0026 mg/L

48hr LC50 (*Daphnia magna*): 0.020 mg/L

*Very toxic to aquatic organisms.*

**Long-term aquatic hazard:** No information is available to complete an assessment.

**Ecotoxicity:** Harmful to terrestrial species. Classified as a 9.4B Hazard.

*For the active constituent:*

*PERMETHRIN*

48hr LD50 (honey bee): 0.024 µg/bee

*Toxic to bees.*

**Persistence and degradability:** No information available.

**Bioaccumulative potential:** No information available.

**Mobility:** No information available.

## 13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

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## 14. TRANSPORT INFORMATION

### ROAD AND RAIL TRANSPORT

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to this Code when transported by road or rail in packaging, IBC's or any other receptacles not exceeding 500 Kg(L).

**UN No:** 3082  
**Dangerous Goods Class:** 9  
**Packing Group:** III  
**Hazchem Code:** •3Z  
**Emergency Response Guide No:** 47

**Proper Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(CONTAINS PERMETHRIN AND ALLETHRIN)

**Segregation Dangerous Goods:** Not to be loaded with explosives (Class 1), however exemptions may apply.

### MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

This material is classified as a Marine Pollutant (P) according to the International Maritime Dangerous Goods Code.

**UN No:** 3082  
**Dangerous Goods Class:** 9  
**Packing Group:** III

**Proper Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(CONTAINS PERMETHRIN AND ALLETHRIN)

### AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

**UN No:** 3082  
**Dangerous Goods Class:** 9  
**Packing Group:** III

**Proper Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(CONTAINS PERMETHRIN AND ALLETHRIN)



## 15. REGULATORY INFORMATION

### This material is not subject to the following international agreements:

Montreal Protocol (Ozone depleting substances)  
The Stockholm Convention (Persistent Organic Pollutants)  
The Rotterdam Convention (Prior Informed Consent)

### This material is subject to the following international agreements:

Basel Convention (Hazardous Waste)

- Wastes from the manufacture, formulation and use of wood preserving chemicals

International Convention for the Prevention of Pollution from Ships (MARPOL)

- Annex III - Harmful Substances carried in Packaged Form

### This material/constituent(s) is covered by the following requirements:

- The Standard for the *Uniform Scheduling of Medicines and Poisons (SUSMP)* established under the *Therapeutic Goods Act (Commonwealth)*.
- All the constituents of this material are listed on the *Australian Inventory of Chemical Substances (AICS)*.
- The *Agricultural and Veterinary Chemicals Act (Commonwealth)* and/or applicable Commonwealth, State or Territory control-of-use legislation.

## 16. OTHER INFORMATION

### Literary reference

This Safety Data Sheet has been prepared by Chemical Data Services Pty Ltd ([chemdata.com.au](http://chemdata.com.au)) on behalf of its client.

Reason(s) For Issue: 5 Yearly Revision  
Format change  
Minor Text Changes.

Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since DuluxGroup (Australia) Pty Ltd and DuluxGroup (New Zealand) Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.