



## Safety Data Sheet – Extra Strength Bug Spray

### 1. Identification

**Product Name:** Extra Strength Bug Spray

**Recommended Use:** Insect repellent spray

Note: Safety Data Sheets are provided to inform all users of potential hazards when using the substance. Precautions required will be different for end user consumers using product contained in small pots than for workers involved in bulk manufacturing of the products.

Tui Balms are intended for use in the therapeutic massage industry and in the private home. Please read through the full details of the SDS to see details applicable to how you use these products.

**Manufacturer / Distributor – New Zealand:**

Tui Balms  
Wainui Bay  
RD1 Takaka, New Zealand  
Phone 0064 3 525 9654  
Email production@tuibalms.co.nz

**Distributor – United Kingdom:**

Songbird Naturals  
Norton Barn  
Ditcheat Hill Farm, Ditcheat  
Somerset BA 4 6 TL, United Kingdom  
Phone 0044 1749 860 368  
Email info@songbirdnaturals.co.uk

### 2. Hazard Identification

**Statement of Hazardous Nature:**

This preparation is classified as hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

Classified as a Dangerous Good according to NZS 5433.

**Hazard Classification:**

Danger



HSNO Classes: 3.1C, 6.3A, 8.3A

**Hazard Statements:**

Flammable liquid and vapour  
Causes skin irritation  
Causes serious eye damage

**Prevention Statements:**

Keep out of reach of children  
Read label before use  
Read Safety Data Sheet before use  
Keep away from flames and hot surfaces

### 3. Composition & Information on Ingredients

Ingredient	CAS #	Percentage Composition %
Lavender Oil	8000-28-0	0.42%
Citrepel75	42822-86-6	25%
Non-hazardous ingredients		33%
Ethanol	64-17-5	41%

### 4. First Aid Measures

New Zealand Poisons & Hazardous Chemicals National Information Centre

phone 0800 POISON – 0800 764 766

**Skin:** If irritation occurs, wash with plenty of soap and water. Remove/take off immediately all contaminated clothing and wash before re-use. If skin irritation persists, get medical advice/attention.

**Eyes:** If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

**Ingestion:** DO NOT induce vomiting. If you feel unwell, seek medical advice/attention.

**Inhalation:** Remove victim to fresh air. If you feel unwell, seek medical advice/attention.

**Advice to Doctor:** Treat symptomatically.

If medical advice is needed, have product container or label at hand.

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## 5. Fire Fighting Measures

**Flammability:** Flammable liquid and vapour  
**Extinguishing media:** Use appropriate for surrounding materials. Prevent contamination of drains or water ways.

**Hazardous Combustion products:** Not available  
**Flash Point:** Approximately 26°C

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## 6. Accidental Release Measures

**Spills:** Prevent spill from entering drains and watercourses. Absorb with an absorbent material such as sand. Collect waste and place in sealable containers for disposal. Dispose of as hazardous waste (see Section 13).

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## 7. Handling & Storage

### Safe Handling

Keep out of reach of children  
Before use carefully read the product label  
Read Safety Data Sheet before use  
Keep away from flames and hot surfaces  
When using bulk quantities:  
-Use explosion proof electrical, ventilation and lighting equipment  
-Use only non-sparking tools  
-Take precautionary measures against static discharge  
-Wear protective gloves and eye/face protection  
-Wash hands thoroughly after handling

### Storage

Store in cool, dry area  
Keep container tightly closed  
Store away from flames and hot surfaces

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## 8. Exposure Controls & Personal Protection

### Exposure Standards

#### **Workplace Exposure Standards (WES):**

<b>Ingredient</b>	<b>CAS #</b>	<b>TWA (mg/m<sup>3</sup>)</b>
Ethanol	64-17-5	1880

### Engineering Controls

Ensure adequate ventilation.

### Personal Protection (PPE)

**Eyes/Face:** Not required when using product as recommended. When dealing with bulk quantities, splash resistant Safety Glasses with side shields or safety goggles (AS/NZS 1337) should be worn.

**Skin:** Not required when using product as recommended. When dealing with bulk quantities, protective gloves should be worn.

**Respiratory:** Not required

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## 9. Physical & Chemical Properties

**Appearance:** Colourless liquid

**Odour:** Cool lemon

**pH:** Not determined

**Boiling point:** Not applicable

**Melting point:** Not determined

**Density at 20 °C:** Not determined

**Solubility (water):** Not determined

**Flash point:** Not determined

**Evaporation rate:** Not determined

**Vapour pressure:** Not determined

**Viscosity (dynamic):** Not determined

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## 10. Stability & Reactivity

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Flames and hot surfaces.

## 11. Toxicological Information

### Health Effects / Symptoms of Exposure

**Skin:** Causes skin irritation

**Eyes:** Causes serious eye damage

### Toxicological Data

Ingredient	CAS #	Acute Inhalation Toxicity	Acute Dermal Toxicity	Acute Oral Toxicity
Citrepel75	42822-86-6	LC50: 10.4mg/L Rat <sup>†</sup>	LD50: >2000mg/kg Rat <sup>†</sup>	LD50: >2000mg/kg Rat <sup>†</sup>

<sup>†</sup>Data sourced from Citrepel75 SDS dated 15 June 2015.

## 12. Ecological Information

**Environmental Exposure Limit (EEL):** None set

**Biodegradability:** Not available

**Persistence in environment:** Not available

**Mobility:** Not available

### Ecotoxicological Data

Ingredient	CAS #	Fish Toxicity	Crustacean Toxicity	Algae Toxicity
Citrepel75	42822-86-6	EC50: >35mg/L <i>Danio rerio</i> (96 hour exposure) <sup>†</sup>	EC50: >26mg/L <i>Daphnia magna</i> (48 hour exposure) <sup>†</sup>	EC50: >37mg/L <i>Pseudokirchneriella</i> (72 hour exposure) <sup>†</sup>

<sup>†</sup>Data sourced from Citrepel75 SDS dated 15 June 2015.

## 13. Disposal Considerations

For waste and contaminated packaging, treat to render it non-hazardous or dispose of as hazardous waste using a specialist disposal contractor.

## 14. Transport Information

Classified as a Dangerous Good according to NZS 5433:2007

**Proper Shipping Name:** Not applicable

**DG Class:** 3

**UN Number:** Not applicable

**Packing Group:** III

## 15. Regulatory Information

### HSNO Approval

All ingredients are listed in the NZIoC with the exception of Citrepel75 (which is pending addition in the next update).  
Group Standard: Cosmetic Products Group Standard 2006. HSNO Approval Number: HSR002552.

## 16. Other Information

### **Abbreviations / Terminology:**

AS/NZS 1337	Personal eye-protection
AS/NZS	Joint Australian New Zealand Standard
CAS#	Chemical Abstract Service number (a unique identifier for chemicals)
CCID	Chemical Classification and Information Database
EEL	Environmental Exposure Limit
HSNO	(New Zealand) Hazardous Substances and New Organisms Act
NZIoC	New Zealand Inventory of Chemicals
NZS 5433	Transport of Dangerous Goods on Land
TEL	Tolerable Exposure Limit
WES	Workplace Exposure Standard

Prepared with reference to: *Preparation of Safety Data Sheets, Approved Code of Practice under the HSNO Act* [COP 8-1], New Zealand Chemical Industry Council Sep 2006.

**Current Version:** 16 December 2016

### **Revision Information:**

SDS may be revised from time to time, please ensure you have a current copy.

This revision: Updated product name, odour information and toxicology data.

Previous revision dated: 26 August 2016

**Disclaimer:**

This safety data sheet attempts to describe as accurately as possible the potential exposures associated with normal use of the product described herein. Health and safety precautions in the data sheet may not be adequate for all individuals and/or situations. Users have the responsibility to evaluate and use this product safely and to comply with all applicable laws and regulations.

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--END OF SDS