

# SDS – SHIELDRITE EXTRA STRENGTH

## SAFETY DATA SHEET

### SHIELDRITE EXTRA STRENGTH

#### Section 1: Identification of the Product and Company

**Product name:** SHIELDRITE EXTRA STRENGTH  
**Synonym (s)** 83720 – PRODUCT CODE  
SHIELDRITE EXTRA STRENGTH CRAWLING INSECT SPRAY  
**Use:** INSECTICIDE - Control of crawling insects  
**Company name & Contact Details:** **Company: Sherwood Chemicals Australasia Pty Ltd**  
Address: Level 3, 1060 Hay Street, WEST PERTH 6005 AUSTRALIA  
Telephone: All hours +61 8 9219 4683  
Fax: +61 8 9219 4672  
Email: [contact@sherwoodchemicals.com.au](mailto:contact@sherwoodchemicals.com.au)  
Website: <http://www.sherwoodchemicals.com.au>

**Emergency telephone**

**number(s):** +61 421 667972

**Other information:** All reasonable care has been taken to ensure the information and advice contained in this data sheet is accurate at the time of printing. However, Sherwood Chemicals accepts no liability for any loss or damages suffered

#### Section 2: Hazards Identification

**Classification of substance or mixture:** CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

**GHS classification(s):** Aquatic Toxicity (Chronic): Category 1  
Aspiration Hazard: Category 1  
Aerosols: Category 1

**Label elements:** Signal word: DANGER  
Pictogram(s):



**Hazard statement(s):** H22 Extremely flammable aerosol  
H34 May be fatal if swallowed and enters airways  
H410 Very toxic to aquatic life with long lasting effects

**Prevention statements(s):** P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking  
P211 Do not spray on an open flame or other ignition source  
P251 Pressurized container: Do not pierce or burn, even after use  
P260 Do not breathe dust/fume/gas/mist/vapour/spray  
P273 Avoid release to the environment

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- Response statements(s):** P301 + P310  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
P304 + P340  
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing  
P314 Get medical advice/attention if you feel unwell  
P331 Do NOT induce vomiting  
P391 Collect spillage
- Storage statement(s):** P405 Store locked up  
P410 + P412  
Protect from sunlight. Do not expose to temperatures exceeding 50°C
- Disposal statement(s):** P501  
Dispose of contents/container in accordance with relevant regulations
- Other hazards:** No information provided

### Section 3: Composition / Information on Ingredients

#### Substances/ Mixtures

Ingredient	CAS Number	EC Number	Content
NAPHTHA (PETROLEUM), HYDROTREATED HEAVY	64742-48-9	265-150-3	40 to 50%
PETROLEUM GASES, LIQUEFIED	68476-85-7	270-704-2	40 to 50%
CYPERMETHRIN	52315-07-8	257-842-9	2%
IMIPROTHRIN	72963-72-5	428-790-6	1.4%
ADDITIVE(S)	-	-	Remainder

### Section 4: First Aid Measures

#### Description of first aid measures:

For advice, contact a Poisons Information Centre, Phone Australia 13 1126; New Zealand 0800 764 766, or a doctor at once.

**Inhalation:** If inhaled, remove from contaminated area. Apply artificial respiration if not breathing

**Skin:** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.

**Eye:** If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes

**Ingestion:** For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

Ingestion is considered unlikely due to product form.

#### First aid facility:

No information provided

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### **Most important symptoms and effects, both acute and delayed:**

See Section 11 for more detailed information on health effects and symptoms.

### **Immediate medical attention and special treatment needed:**

Treat symptomatically.

## Section 5: Fire Fighting Measures

### **Extinguishing Media:**

Dry agent, carbon dioxide, foam or water fog. Prevent contamination of drains and waterways.

### **Special hazards arising from the substance or mixture:**

Highly flammable

May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition. Vapour may form explosive mixtures with air. Eliminate all ignition sources including cigarettes, open flames, spark producing switches/tools, heaters, naked lights, pilot lights, mobile phones, etc when handling. Aerosol cans may explode when heated above 50°C.

### **Advice for firefighters:**

Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

### **HAZCHEM Code: 2YE**

2 Fine Water Spray.

Y Risk of violent reaction or explosion. Wear full fire kit and breathing apparatus.  
Contain spill and run-off.

E Evacuation of people in and around the immediate vicinity of the incident should be considered.

## Section 6: Accidental Release Measures

### **Personal precautions, protective equipment and emergency procedures:**

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Clear area of all unprotected personnel

### **Environmental precautions:**

Prevent product from entering drains and waterways.

### **Methods of cleaning up:**

If aerosol can damaged or leaking, contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

### **Reference to other sections:**

See Sections 8 and 13 for exposure controls and disposal.

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### Section 7: Handling and Storage

<b>Precautions for safe handling:</b>	Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas
<b>Conditions for safe storage, including any incompatibilities:</b>	Store in a cool (< 50°C), dry, well-ventilated area, removed from incompatible substances, heat or ignition sources and foodstuffs. Ensure aerosol containers/ cans are adequately labeled, protected from physical damage and sealed when not in use. Check regularly for damaged / leaking containers. Large storage areas should have appropriate fire protection systems.
<b>Specific end use(s):</b>	No information provided

### Section 8: Exposure Controls and Personal Protection

#### Control Parameters

#### Exposure Standards:

Ingredient	Reference	TW		STE	
		ppm	mg/m	ppm	mg/m
Liquefied petroleum gas (LPG)	SWA (AUS)	100	1800	1000	1800
Mineral Oil Mist	SWA (AUS)	--	5	--	--

**Biological limits:** No Biological Limit Value allocated.

#### Exposure controls:

#### Engineering controls

Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Flammable/explosive vapours may accumulate in poorly ventilated areas. Vapours are heavier than air and may travel some distance to an ignition source and flash back. Maintain vapour levels below the recommended exposure standard.

#### PPE:

<b>Eye / Face</b>	With prolonged use, wear safety glasses and splash-proof goggles.
<b>Hands</b>	With prolonged use, wear PVC or rubber gloves.
<b>Body</b>	Not required under normal conditions of use.
<b>Respiratory</b>	Where an inhalation risk exists, wear a Type A-Class P1 (Organic gases/ vapours and Particulate) respirator

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### Section 9: Physical and Chemical Properties

#### Information on basic physical and chemical properties:

Appearance	CLEAR LIQUID (AEROSOL DISPENSED)
Odour	SOLVENT ODOUR
Flammability	HIGHLY FLAMMABLE
Flash point	-104°C to -60°C (PROPELLANT)
Boiling point	NOTAVAILABLE
Melting point	NOTAVAILABLE
Evaporation rate	NOTAVAILABLE
pH	NOTAVAILABLE
Vapour density	NOTAVAILABLE
Specific gravity	0.82
Solubility (water)	INSOLUBLE
Vapour pressure	0.3 to 0.5 mPa
Upper explosion limit	9.5 %
Lower explosion limit	1.8 %
Partition coefficient	NOT AVAILABLE
Autoignition temperature	405°C to 466°C
Decomposition temperature	NOT AVAILABLE
Viscosity	NOT AVAILABLE
Explosive properties	NOT AVAILABLE
Oxidising properties	NOT AVAILABLE
Odour threshold	NOT AVAILABLE

### Section 10: Chemical Stability and Reactivity Information

<b>Chemical stability:</b>	Stable under recommended conditions of storage
<b>Conditions to avoid:</b>	Avoid heat, sparks, open flames and other ignition sources
<b>Incompatibility:</b>	Incompatible with oxidising agents (e.g. hypochlorites), acids (e.g. nitric acid), alkalis (e.g. sodium hydroxide), heat and ignition sources
<b>Hazardous decomposition products:</b>	May evolve carbon oxides and hydrocarbons when heated to Decomposition
<b>Reactivity:</b>	Carefully review all information provided in sections 10.2 to 10.6

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### Section 11: Toxicological Information

#### Information on toxicological effects:

<b>Health hazard summary</b>	May be harmful. This product has the potential to cause adverse health effects with over exposure. Use safe work practices to avoid eye or skin contact and inhalation.	
<b>Eye</b>	Irritant. Contact may result in irritation, lacrimation, pain and redness	
<b>Inhalation</b>	Low to moderate irritant. Over exposure may result in irritation of the nose and throat, with coughing. High level exposure may result in breathing difficulties. May cause sensitisation by inhalation	
<b>Skin</b>	Irritant. Contact may result in irritation, redness, rash and dermatitis. May cause sensitisation by skin contact	
<b>Ingestion</b>	Harmful. Ingestion may result in nausea, vomiting, diarrhoea, dizziness and unconsciousness. Aspiration or inhalation may cause chemical pneumonitis and pulmonary oedema. Ingestion is considered unlikely due to product form	
<b>Toxicity data</b>	CYPERMETHRIN (52315-07-8)	
	LC50 (inhalation)	7889 mg/m <sup>3</sup> /4hrs (rat)
	LD50 (ingestion)	24750 ug/kg (mouse)
	LD50 (intraperitoneal)	25 mg/kg (mouse)
	LD50 (skin)	1600 mg/kg (rat)
	LDLo (intravenous)	6 mg/kg (rat)

### Section 12: Ecological Information

**Toxicity:** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

**Bioaccumulative potential:** No information provided.

**Mobility in soil:** No information provided.

**Other adverse effects:** No information provided.

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## Section 13: Disposal Considerations

### Waste treatment methods:

**Waste disposal:** For small amounts, absorb contents with sand or similar and dispose of to an approved landfill site. Do not puncture or incinerate aerosol cans. Contact the manufacturer/supplier for additional information (if required).

**Legislation:** Dispose of in accordance with relevant local legislation.

## Section 14: Transport Information

CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE



	LAND TRANSPORT (ADG)	SEA TRANSPORT (IMDG / IMO)	AIR TRANSPORT (IATA / ICAO)
14.1 UN Number	1950	1950	1950
14.2 Proper Shipping Name	AEROSOLS	AERO SOLS	AEROSOLS
14.3 Transport hazard class	2.1	2.1	2.1
14.4 Packing Group	None Allocated	None Allocated	None Allocated

**Environmental hazards:** No information provided

### Special precautions for user:

**Hazchem Code:** 2YE

**GTEPG:** 2D1

**EMS:** F-D, S-U

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### Section 15: Regulatory Information

**Agricultural or veterinary chemicals legislation**      This product is registered for use by the APVMA.  
**AUSTRALIA APVMA Registration No. 63850/102652**

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

<b>Poison schedule</b>	Classified as a Schedule 5 (S5) Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)																																		
<b>Classifications</b>	<p>Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.</p> <p>The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(2004)]</p>																																		
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<b>Inventory listing(s)</b>	<p><b>AUSTRALIA: AICS (Australian Inventory of Chemical Substances)</b>  All components are listed on AICS, or are exempt.</p>																																		



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## Section 16: Other Information

### Additional information:

SYNERGISM - ANTAGONISM: Ingredients in this product may act together to aggravate or reduce adverse effects. Accordingly the time weighted average concentration (TWA) provided for single ingredients should be considered as a guide only and all due care exercised when handling.

AEROSOL CANS may explode at temperatures approaching 50°C.

### PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

### HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. It is anticipated that users will assess the risks and apply control methods where appropriate.

### Revision history:

Revision	Description
2.0	Standard SDS Review
1.0	Initial SDS Creation

**Emergency Telephone number:** All hours Tel: +61 421 667972

**Prepared by:** Sherwood Chemicals Australasia Pty Ltd

Level 3, 1060 Hay Street, WEST PERTH 6005 AUSTRALIA

**SDS creation date:** 25<sup>th</sup> February 2016

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**END OF SDS**