SECTION 1: IDENTIFICATION

1.1 Product Description

Product Name **CHAINDRITE EXTRA STRENGTH CRAWLING INSECT SPRAY**

For application to kill cockroaches, bedbugs, ants, spiders, fleas, millipedes, slaters, earwigs, wasps, flies

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1.2 Suggestions

For using
1. After using, should be washed hand always.
2. Wear protective equipment always before use.

Prohibition for use
1. **DO NOT** store near flames or heat because may be explode when heated.
2. **DO NOT** eat and contact to skin, eyes, or inhaled.
3. **DO NOT** dispose product and containers to watercourses.

1.3 Detail of the supplier of the product

Supplier Name : **Sherwood Chemicals Australasia PTY LTD**
Address : Level 3 , 1060 Hay Street , West Perth, WA , 6005 , Australia
Contact : Tel. +61 8 9219 4683
Fax. +61 8 9219 4672
Email : contact@sherwoodchemicals.com.au
Website : http://www.sherwoodchemicals.com.au

1.4 Emergency telephone number (s)

Emergency Contact : Tel. +61 421 667972

SECTION 2: HAZARDS IDENTIFICATION

Classification according to GHS

: Aerosols	Category 1
: Acute Toxicity: Oral	Category 5
: Acute Toxicity: Dermal	Category 5
: Skin Corrosion / Irritation	Category 2
: STOT Single	Category 3
: Aspiration Hazard	Category 1
: Hazardous to the Aquatic Environment	
- Acute Hazard	Category 2
- Chronic Hazard	Category 2

Hazard Symbol:

Signal Word: Danger

Hazard Statement

Physical:

H222	: Extreamly flammable aerosol.
H229	: Pressurized container: may burst if heated.

Health:

H303	: May be harmful if swallowed.
H304	: May be fatal if swallowed and enters airways.
H313	: Maybe harmful in contact with skin.
H315	: Cause skin irration.
H335	: May cause respiratory irritation; or
H336	: May cause drowsiness or dizziness.

Environment:

H401	: Toxic to aquatic life
H411	: Toxic to aquatic life with long lasting effects

Precautionary Statement

General:

P101	: If medical advice is needed, have product container or label at hand
P102	: Keep out of reach of children
P103	: Read label before use

Prevention:

P210	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. **NO** SMOKING.
P211	: **DO NOT** spray on an open flame or other ignition source.
P251	: **DO NOT** pierce or burn, even after use.
P261	: Avoid breathing dust/fume/gas/mist/vapours/spray. Manufacturer/supplier or the competent authority to specify applicable conditions.
P264	: Wash thoroughly after handling. Manufacturer / supplier or the competent authority to specify parts of the body to be washed after handling.
P271	: Use only outdoors or in a well-ventilated area.
P273	: Avoid release to the environment. If this is not the intended use.
P280	: Wear protective gloves clothing. Manufacturer / supplier or the competent authority to specify type of equipment.

Response:

P301 + P310	: IF SWALLOWED : Immediately call a POISON CENTER or doctor/physician.
P302 + P352	: IF ON SKIN : Wash with plenty of soap and water.
P304 + P340	: IF INHALED : Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312	: Call a POISON CENTER/doctor/physician if you feel unwell.
P321	: Specific treatment (see … on this label) ...Reference to supplemental first aid instruction. Manufacturer / supplier or the competent authority may specify a cleansing agent if appropriate.
P331	: **Do NOT** induce vomiting.
P332+P313	: If skin irritation occurs: Get medical advice / attention.
P362	: Take off contaminated clothing and wash before reuse
P363	: Wash contaminated clothing before reuse.
P391	: Collect spillage.

Storage:

P403+P233	: Store in a well-ventilated place. Keep container tightly closed. If product is votatile so as to generate hazardous atmosphere.
P405	: Store locked up
P410+P412	: Protect from sunlight. **DO NOT** expose to temperatures exceeding 50°C / 122°F

Disposal:

P501	: Dispose of contents / container to approved method and / or local regulations.

SECTION 3: INFORMATION ON INGREDIENTS

Component (s)	CAS Number	Concentration %
Cypermethrin	52315-07-8	2.0 %
Imiprothrin	72963-72-5	1.4 %
Naphtha (petroleum), hydrotreated heavy	64742-48-9	> 40.0
LPG (Liquefied petroleum gas)	68476-85-7	> 50.0

SECTION 4: FIRST AID MEASURES

If Inhaled	: Move patient to fresh air. If breathing is difficult, give artificial respiration and get medical attention immediately.
If on Skin	: Remove contaminated clothing immediately and rinse off with plenty of water. Get medical attention immediately if irritation persist.
If in Eye	: Rinse carefully out with plenty of water. If you were contact lenses, remove if possible and wash away. If irritation persist, get medical attention immediately.

If Ingest : If get in mouth, rinse off with plenty of water. If swallowed, **DO NOT** induce vomiting, drink plenty of clean water or milk and get medical attention immediately.

Advice to Doctor : Symptomatic treatment.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media Suitable

: Use carbon dioxide, water spray, foam or dry chemical powder.

Extinguishing Media Unsuitable

: No data available.

Specific Hazards Rising from the Chemical

: Carbon dioxide (CO_2), Carbon monoxide (CO) and toxic fumes.

Special Protective Action for Fire-Fighters

: Wear self - contained breathing apparatus and chemical-protective clothing. (Self - Contained Breathing Apparatus, SCBA).

: Use water spray to cool containers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Keep unauthorized people away.

: Move flame or ignition sources.

: **DO NOT** direct contact.

: Avoid direct contact with the skin, eyes and clothing.

: **DO NOT** inhaled vapors.

: Remove contaminated clothes, undergarments and shoes immediately.

Personal Protection : Wear respiratory protective with organic vapour absorber, boots and rubber gloves.

Environmental Precautions

: Avoid disposal of spilled material into soil, waterways, drains and sewers.

: Avoid release to the environment.

Methods and Material for Containment and Cleaning Up

: Ventilate on area that leak.

: Use non-sparking tools or equipment.

: Absorb the leak with sand, soil, or inert substances. Keep the absorbent material into sealed container and show sign for disposal.

: In small leak case, absorb with appropriate absorbent material (such as sand, sawdust, etc.)

: In large leak case, partition the leaked product. Pump the product out with the pump. Use respirator during cleaning.

: **DO NOT** allow the water into containers. Sprinkle the water to reduce vapors.

: Wash leaked area after keep and dispose in appropriate waste container.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

: Avid contact with the product for prolonged periods.

: Use only in well-ventilated areas.

Precautions for Safe Storage

: Keep container tightly closed.

: Keep in normal temperature at dry, cool and well-ventilated place.

: Keep away from heat, sunlight, flame and incompatible materials.

: Keep in a straight position and protect the container against physical damage.

: Keep away from food, drink and animal feeding stuffs.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

National Exposure Standard

Source	Material	TWA ppm	TWA mg/m^3	STEL ppm	STEL mg/m^3	Peak ppm	Peak mg/m^3	TWA F/CC	notes
Exxonmobil	Naphtha (petroleum), hydrotreated heavy	171	1,200	-	-	-	-	-	

Engineering Controls

: Local exhaust ventilation may be necessary to reduce the concentration of chemical vapors.

Personal Protective Equipment

: Wear appropriate specific chemical protective gloves such as nitrile rubber gloves. And clean the device after use.

: Wear safety glasses, work clothing and respirator with an organic vapour and gas filter mask.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance		: Clear aerosol spray.
Odor		: Characteristic odor.
Odor Exposure Limits		: No data available.
pH value		: No data available.
Melting / Freezing point		: No data available.
Boiling point / Range		: No data available.
Flash point		: 104 to –60°C [Propellant].
Evaporation Rate		: No data available.
Flammability of Solid and Gas		: Very flammable
Flammable Limits	(LFL) %	: 1.8% to 2.2% in air (v/v) [Propellant].
	(UFL) %	: 8.4% to 9.5% in air (v/v) [Propellant].
Explosion Limits	(LEL) %	: Non applicable.
	(UEL) %	: Non applicable.
Vapour Pressure		: 0.5 mPa.
Vapour Density (air = 1)		: No data available.
Relative Density (water = 1)		: No data available.
Partition Coefficient n-Octanol / water		: No data available.
Auto - Ignition Temperature		: 405°C to 466°C [Propellant].
Decomposition Temperature		: No data available.
Solubility in water		: Insoluble
Specific Gravity / Density		: 0.740 - 0.770 kg/L at 30°C
Viscosity		: No data available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	: No hazardous reactions if stored and handled as indicated.
Chemical Stability	: Stable under normal conditions of storage and use.
Possibility of Hazardous reactions	: No hazardous reactions if stored and handled as indicated.
Conditions to Avoid	: Avoid heat, open flames, ignition sources and direct sunlight.
	: **DO NOT** store near temperature over 50°C or 122°F.
Incompatible Materials	: Strong oxidizing agent, Strong acid and base.
Hazardous Decomposition products	: Combustion or thermal decomposition will evolve carbon and nitrogen oxides and halogen compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity, Oral	: LD_{50} = 4,004.80 mg/kg (Rat) (Calculated)
Dermal	: LD_{50} = 4,614.73 mg/kg (Rabbit) (Calculated)
Inhalation	: LD_{50} > 100.00 mg/L (4 Hours in Rat) (Calculated)
Skin Corrosion / Irritation	: Causes skin irritation.
Eye Damage / Irritation	: Not Classified.
Skin Sensitization	: Not Classified.
Respiratory Sensitization	: Not Classified.
Germ Cell Mutagenicity	: Not Classified.
Carcinogenicity	: Not Classified.
Reproductive Toxicity	: Not Classified.
Specific Target Organ Toxicity	
- Single Exposure	: May cause respiratory irritation , May cause drowsiness or dizziness.
- Repeat Exposure	: Not Classified.
Aspiration Hazard	: May be fatal if swallowed and enters airways.

SECTION 12: ECOLOGICAL INFORMATION

Hazardous to the Aquatic Environment	- Short Term (Acute) Hazard	: Toxic to aquatic life.
	- Long Term (Chronic) Hazard	: Toxic to aquatic life with long-lasting effects.
Persistence and Degradability	: No data available.	
Bio-Accumulative Potential	: No data available.	
Mobility in Soil	: No data available.	
Other Adverse Effects	: No data available.	

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Method	: **DO NOT** dispose into the environment, waterways, drains and sewers.
	: **DO NOT** pour waste contaminated into soil or water.
	: Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Container Treatment Method	: **DO NOT** pierce or burn, even when empty.

: Should be disposed of in accordance with local regulations and laws in force in the country or region.

: This product is dangerous for the environment. **DO NOT** dispose to sewers, drains or watercourses.

SECTION 14: TRANSPORT INFORMATION

14.1 European Transport Information

Regulation	UN Number	Correct Shipping Name	Classes	PG*	Symbols	Remark
ADR	**UN 1950**	**Aerosols**	**2.1**	**-**		**Hazchem code** 2YE
IMDG	**UN 1950**	**Aerosols. Marine pollutant** Cypermethrin and Imiprothrin	**2.1**	**-**		**Emergency schedules (Ems)** F-D, S-U
IATA	**UN 1950**	**Aerosols, Flammable**	**2.1**	**-**		**Passenger and Cargo Aircraft** Quantity limitation: 75 Kg Packaging instructions: 203 **Cargo Aircraft Only** Quantity limitation: 150 Kg Packaging instructions: 203 **Limited Quantities - Passenger Aircraft** Quantity limitation: 30 Kg Packaging instructions: Y203

Beware ensure transportation of the container tightly closed, no leak and **DO NOT** overturned.

DO NOT delivery with food, fiber, oxidizing agent, bases, etc.

SECTION 15: REGULATORY INFORMATION

Law Enforcement in Thailand	: Hazardous substance act BE 2535. List of Hazardous Substances BE 2556, Announce from Ministry of Industry
Types of Hazardous Material	: 3 (Food and Drug Administration, Ministry of Public Health, Thailand)
APVMA Registration No.	: APVMA Approval Number: 63850

SECTION 16: OTHER INFORMATION

Literature	: GHS OFFICIAL TEXT AND CORRIGENDA Rev.7 (2017)
	: European Chemicals Agency; https://echa.europa.eu/
	: Toxicology Data Network, U.S. National Library of Medicine; https://toxnet.nlm.nih.gov/
	: National Institute of Technology and Evaluation; http://www.safe.nite.go.jp/english/ghs/ghs_index.html
	: List of Hazardous Substances, Ministry of Industry, Thailand https://www.jetro.go.jp/ext_images/thailand/thai/pdf/hazardlist13_tha.pdf

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