

SECTION 1: IDENTIFICATION

1.1 Product Description

Product Name	Clearout Plus IGR Crawling Insect Spray
Active Ingredient	0.5 g/kg Fipronil 0.15 g/kg Pyriproxyfen
Product Use	For prevention and killing crawling insect in home or building such as cockroaches , ants and small crawling insects.

1.2 Manufacturer and Distributors

Manufacturer	Sherwood Corporation (Thailand) Public Company Limited
Address	90/1 Moo 9, Wellgrow Industrial Estate, Km.36 Bang Na-Trad Road, Bang Wua, Bang Pakong District, Chachoengsao 24180, Thailand
Contact	Tel. (+66) 3852-2302 Fax. (+66) 3852-2311
Website	http://www.sherwood.co.th
Distributors	SHERWOOD CHEMICALS AUSTRALASIA PTY LTD
Address	Level 3, 1060 Hay St, West Perth, WA, 6005, AUSTRALIA
Contact	Tel. (+61) 8 9219 4683 Fax. (+61) 8 9219 4672
Email	contact@sherwoodchemicals.com.au

1.3 Emergency Contact Tel. (+61) 421 667972

SECTION 2: HAZARDS IDENTIFICATION

Classification according to GHS

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

Pictogram (s):



Signal Word:

Danger

Hazard Statement

Physical:

- H222 : Extremely 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.
H315 : Cause skin irritation.
H335 : May cause respiratory irritation; or
H336 : May cause drowsiness or dizziness.

Environment:

- 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.
P264 : Wash hand thoroughly after handling.
P271 : Use only outdoors or in a well-ventilated area.
P273 : Avoid release to the environment.
P280 : Wear protective gloves clothing.

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 supplemental first aid instruction on this label)
P331 : **DO NOT** induce vomiting.
P332+P313 : If skin irritation occurs: Get medical advice / attention.
P362 : Take off contaminated clothing and wash before reuse.
P391 : Collect spillage.

Storage:

- P403+P233 : Store in a well-ventilated place.
Keep container tightly closed.
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 %
Fipronil	120068-37-3	0.5
Pyriproxyfen	95737-68-1	0.15
Non Hazardous Ingredients	Mixture	Remainder
Liquefied Petroleum Gas	68476-85-7	Balance to 100.00%

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 (CO₂), 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
- : Evacuate personnel from the spill area.
 - : Move sources of fire
 - : **Do not** touch the chemical directly.
 - : Avoid direct contact with skin and eyes
 - : **Do not** inhale vapor.
 - : Take off contaminated clothing 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 the area of leak
 - : Grounding with all used equipment while dealing with products
 - : Avoid release to the environment. **Do not** pour the product and waste into the drain
 - : Absorb substance with sand, earth, or inert substance. Store the absorbent in a tightly closed container. Show signs for disposal
 - : Clean up spill area after collection and store in suitable containers for waste disposal
 - : Dispose of contents / containers in accordance with local / regional / national / international regulations. Dispose of contents inside containers with approved methods and / or local regulations

SECTION 7: HANDLING AND STORAGE

- Precautions for Safe Handling
- : Extremely flammable. **Do not** spray on the flame which has no protection or any hot material.
 - : Keep away from sources of ignition - **No** smoking.
 - : **Do not** create heat, sparks, or flames near the area of use.
 - : Avoid prolonged contact with the substance.
 - : Avoid contact with skin, eyes and respiration.
 - : Use the product in an area with adequate ventilation.
 - : Ventilation may be needed. To reduce excessive vapors If the vapor level has Prone to high or in a confined space
 - : Use explosion-proof equipment. Avoiding sources of static electricity and high-intensity discharges. And confined areas

: Wash your hands thoroughly with soap and water. After handling and before eating, drinking water

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.
: Protect from sunlight. **Do not** expose to temperatures exceeding 50 °C /122°F.
: Keep in a straight position and protect the container against physical damage.
: Keep away from children, pets, food and public water areas.
: Keep away from corrosive products and incompatible materials.
(Strong oxidizing agents, strong bases, strong acids)

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

National Exposure Standard : Not data available.
Engineering Controls : Local exhaust ventilation may be necessary to reduce the concentration of chemical vapors.
: Ensure adequate ventilation of the working area.
: Use ventilation equipment for explosion proof In the event that the vapor level is likely to increase or in a confined space.
Personal Protective Equipment : Wear suitable chemical protection equipment such as nitrile rubber gloves, safety glasses, respirator with a filter mask, organic vapor and gas. And clean the equipment after each use
: Wear safety glasses, work clothing and respirator with an organic vapour and gas filter mask.
Personal Protective Equipment : Wear suitable chemical protection equipment such as nitrile rubber gloves, safety glasses, respirator with a filter mask, organic vapor and gas. And clean the equipment after each use

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 °C [LPG].
Evaporation Rate : No data available.
Flammability of Solid and Gas : Flammable.

Flammable Limits	(LFL) %	: 2.0 % v/v (LPG).
	(UFL) %	: 9.0 % v/v (LPG).
Explosion Limits	(LEL) %	: Non applicable.
	(UEL) %	: Non applicable.
Vapour Pressure		: 0.6 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		: No data available.
Decomposition Temperature		: No data available.
Solubility in water		: Insoluble
Specific Gravity / Density		: 0.74 – 0.77 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 122F.
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 = 4,791.27 mg/kg (Rat) (Calculated)
Dermal	: LD ₅₀ > 5,000 mg/kg (Rabbit) (Calculated)
Inhalation	: LD ₅₀ > 5.0 mg/L (4 Hours in Rat) (Calculated)
Skin Corrosion / Irritation	: Causes skin irritation.
Eye Damage / Irritation	: Causes eye irritation.
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; or 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 : No data available
- 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 No.	Proper Shipping Name	Classes	PG*	Symbol	Remark
ADR	1950	Aerosol (Contain: Fipronil and Pyriproxyfen)	2.1	-		<u>Hazchem code</u> 2YE

IMDG	1950	Aerosols (Contain: Fipronil and Pyriproxyfen)	2.1	-		<u>Emergency schedules</u> (Ems) F-D, S-U
IATA	1950	Aerosols (Contain: Fipronil and Pyriproxyfen)	2.1	-		<u>Passenger and Cargo Aircraft</u> Quantity limitation: 75 Kg Packaging instructions: 203 <u>Cargo Aircraft Only</u> Quantity limitation: 150 Kg Packaging instructions: 203 <u>Limited Quantities - Passenger Aircraft</u> 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)

Registration No. : APVMA No.88298 [Australian Pesticides and Veterinary Medicines Authority]

SECTION 16: OTHER INFORMATION

Reference : 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
: Dangerous Goods Regulation (IATA-Resolution 618 Attachment "A") 54th Edition
<https://agashirinov.files.wordpress.com/2015/10/ekp000017565.pdf>



**SHERWOOD CORPORATION (THAILAND)
PUBLIC COMPANY LIMITED**

SAFETY DATA SHEET

Clearout Plus IGR Crawling Insect Spray

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Effective Date: August 25, 2021

Version No. : 1.0 Printed Date: August 25, 2021

Disclaimer

This article is as accurately as possible complied with the best of our company's knowledge at the time documentation. Each user should read this SDS and consider the information in the context of how the material will be handle and used in the workplace including in conjunction with other products. If classification or further information is needed to ensure an appropriate risk assessment, the user should contact our technical team.

The above information is believed to be correct but does not purpose to be all inclusive and shall be used only as a guide. No warranty is expressed or implied regarding the accuracy and completeness of the data. As such, we cannot be held liable for any injury or economic loss. Users are further reminded of the possible risks of using this material for any other purpose than those for which it was intended. The above information can be utilized only for meeting regulatory norms in regard to handling and labeling advice.

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