

**SECTION 1: IDENTIFICATION**

1.1 Product Description

Product Name	<b>CLEAROUT PLUS IGR AEROSOL INSECTICIDE</b>
Active Ingredient	FIPRONIL 0.50 g/kg PYRIPROXYFEN 0.15 g/kg
Benefit	For the control of ants, cockroaches and flies in domestic, commercial and public buildings.

1.2 Manufacturer and Distributors

	<b>Sherwood Corporation (Thailand) Public Company Limited</b>
Address	90/1 Moo 9, Wellgrow Industrial Estate, Km.36 Bangna-Trad Rd., Bang Wua, Bang Pakong, Chachoengsao 24180 Thailand
Contact	Tel. (+66)38-522-302 Fax. (+66)38-522-311
Website	<a href="http://www.sherwood.co.th">http://www.sherwood.co.th</a>

1.3 Emergency Contact Tel. (+66)95-957-4010

**SECTION 2: HAZARDS IDENTIFICATION**

Classification according to GHS

: Flammable aerosols	Category 1
: Acute Toxicity – Oral	Category 5
: Aspiration Hazard	Category 1
: Skin Corrosion / Irritation	Category 2
: Specific target organ toxicity - single exposure; Respiratory tract irritation	Category 3
: Specific target organ toxicity - repeated exposure; Narcotic effect	Category 3
: Hazardous to the Aquatic Environment, Long-Term Hazard	Category 2

Pictogram (s):



Signal Word:

**Danger**

Hazard Statement

Physical:

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



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

**SAFETY DATA SHEET  
CLEAROUT PLUS IGR AEROSOL  
INSECTICIDE**

**Page 2 of 9**

Ver1.1 Effective Date: June 30, 2023

Printed Date: March 14, 2024

**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, 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.
- 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.

**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.



SHERWOOD CORPORATION (THAILAND)  
PUBLIC COMPANY LIMITED

**SAFETY DATA SHEET**  
**CLEAROUT PLUS IGR AEROSOL**  
**INSECTICIDE**

Page 3 of 9

Ver1.1 Effective Date: June 30, 2023

Printed Date: March 14, 2024

**SECTION 3: INFORMATION ON INGREDIENTS**

Component (s)	CAS Number	Concentration %
Fipronil	120068-37-3	0.50
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 : Water, Foam, Carbon dioxide (CO<sub>2</sub>), Dry chemical  
Unsuitable : No data available.
- Specific Hazards Rising from the Chemical : Decomposition products may produce carbon monoxide (CO).  
Extinguishes carbon dioxide (CO<sub>2</sub>), toxic gases that are irritating and have a pungent odor, Gases produced by burning at high concentrations May cause fainting or fainting
- Special Protective Action for Fire-Fighters : Wear self - contained breathing apparatus and chemical-protective clothing (Self - Contained Breathing Apparatus, SCBA).  
: Cool closed containers exposed to fire with water spray.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

- Personal Precautions : Remove people from the spill area.  
: Avoid direct contact with skin and eyes.  
: Evacuate unrelated people from the area  
: Remove contaminated clothes immediately.
- Personal Protection : Wear respiratory protective with organic vapour absorber, boots and rubber gloves.



SHERWOOD CORPORATION (THAILAND)  
PUBLIC COMPANY LIMITED

**SAFETY DATA SHEET**  
**CLEAROUT PLUS IGR AEROSOL**  
**INSECTICIDE**

Page 4 of 9

Ver1.1 Effective Date: June 30, 2023

Printed Date: March 14, 2024

Environmental Precautions : Prevent material from flowing into soil, waterways, gutters and sewers.  
: Avoid releasing the product into the soil. Waterways and environment.

Methods and Material for Containment and Cleaning Up

- : Before storage ventilate the area of the leak.
- : After storage ventilate the area of the leak.
- : Absorb substance with sand, soil, or inert substances. Store the absorbent in a tightly closed container. Show signs for disposal.
- : For smaller amounts : Pick up with suitable absorbent (e.g. sand, sawdust).
- : For large amounts : Dike spillage. Pump off product. Cleaning operations should be carried out only while wearing breathing apparatus.
- : Wash and clean up affected area after leak and store in a suitable container for waste disposal.
- : Do not allow water to enter the container. Spray water to reduce the vapors of the substance.
- : 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.
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- 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.
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- Flammable Limits (LFL) % : 2.0 % v/v (LPG).
- (UFL) % : 9.0 % v/v (LPG).
- Explosion Limits (LEL) % : Non applicable.
- (UEL) % : Non applicable.
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- Vapour Pressure : 0.6 MPa.



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

**SAFETY DATA SHEET  
CLEAROUT PLUS IGR AEROSOL  
INSECTICIDE**

Page 6 of 9

Ver1.1 Effective Date: June 30, 2023

Printed Date: March 14, 2024

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 bases, Strong acids, Strong oxidizing agents  
Hazardous Decomposition products : No data available.

**SECTION 11: TOXICOLOGICAL INFORMATION**

Acute Toxicity, Oral : LD<sub>50</sub> = 4,791.27 mg/kg (Rat) (Calculated)  
Dermal : LD<sub>50</sub> > 5,000.00 mg/kg (Rabbit) (Calculated)  
Inhalation : LD<sub>50</sub> > 5.00 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 : Waste must be disposed of in accordance with federal, state and local environmental control regulations.  
 : **DO NOT** dispose into the environment, waterways, drains and sewers.  
 : Should not produce waste contaminated soil or water.

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.  
 : **DO NOT** dispose of empty containers into watercourses.

**SECTION 14: TRANSPORT INFORMATION**

14.1 European Transport Information

Precaution	UN Number	Valid shipping name	Classes	PG*	Label	Additional information
ADR	UN 1950	<b>Aerosols, flammable, (each not exceeding 1 L capacity)</b> (Contain Fipronil and Pyriproxyfen)	2.1	-	 	<b>Hazchem code</b> 2YE
IMDG	UN 1950	<b>Aerosols, flammable, (each not exceeding 1 L capacity)</b> (Contain Fipronil and Pyriproxyfen)	2.1	-	 	<b>Emergency schedules (Ems)</b> F-D, S-U
IATA	UN 1950	<b>Aerosols, flammable, (each not exceeding 1 L capacity)</b> (Contain Fipronil and Pyriproxyfen)	2.1	-	 	<b>Limited Quantities Passenger Aircraft</b> Quantity limitation: 30 Kg Packaging instructions: Y203 <b>Passenger and Cargo Aircraft</b> Quantity limitation: 75 Kg



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

**SAFETY DATA SHEET  
CLEAROUT PLUS IGR AEROSOL  
INSECTICIDE**

**Page 8 of 9**

Ver1.1 Effective Date: June 30, 2023

Printed Date: March 14, 2024

						Packaging instructions: 203  <b>Cargo Aircraft Only</b> Quantity limitation: 150 Kg Packaging instructions: 203
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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 Enactment 1992.  
: Ministry of Industry Announcement on Hazardous Substance List 2013
- Types of Hazardous Material : Hazardous Substance Type 3  
(Food and Drug Administration, Ministry of Public Health, Thailand)
- Registration No. : Thai FDA No. 673/2564  
: 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](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](https://www.jetro.go.jp/ext_images/thailand/thai/pdf/hazardlist13_tha.pdf)  
: Dangerous Goods Regulation (IATA-Resolution 618 Attachment "A") 54<sup>th</sup> Edition  
<https://agashirinov.files.wordpress.com/2015/10/ekp000017565.pdf>

**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.*

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

**SAFETY DATA SHEET  
CLEAROUT PLUS IGR AEROSOL  
INSECTICIDE**

**Page 9 of 9**

Ver1.1 Effective Date: June 30, 2023

Printed Date: March 14, 2024

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*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.*

**- END -**