SHERWOOD CHEMICALS AUSTRALASIA PTY LTD

SECTION 1: IDENTIFICATION

1.1 Product Description

Product Name	**FIPFORCE HP TERMITICIDE & INSECTICIDE**
Active Ingredients	Fipronil 100 g/L
Benefit	For the protection of structures from subterranean termite damage and for the control of subterranean termites, ants, domestic cockroaches, earwigs, houseflies, web-spinning spiders, daddy-long-legs spiders, millipedes, pill bugs and house crickets around domestic and commercial structures.

1.2 Manufacturer and Distributors

Sherwood Corporation (Thailand) Public Company Limited

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	http://www.sherwood.co.th
Address Australia	3/1060 Hay St, West Perth WA 6005

1.3 Emergency Contact Tel. (+61) 08 – 9219 4683

SECTION 2: HAZARDS IDENTIFICATION

Classification according to GHS

: Acute Toxicity - Oral	Category 4
: Acute Toxicity - Dermal	Category 5
: Acute Toxicity - Inhalation	Category 4
: Skin Corrosion / Irritation	Category 3
: Serious eye damage/eye irritation	Category 2A
: Specific target organ toxicity following repeated exposure	Category 2
: Hazardous to the aquatic environment - Acute hazard	Category 2
: Hazardous to the aquatic environment - Long term hazards	Category 2

Pictograms of GHS:



Signal Word: **Warning**

Hazard Statement

Physical: :-

Health:

H302 : Harmful if swallowed.
H313 : May be harmful in contact with skin.
H316 : Causes mild skin irritation.
H319 : Causes serious eye irritation.
H332 : Harmful if inhaled
H373 : May cause damage to central nervous system through prolonged or repeated exposure.

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:

P260 : **Do not** breathe dust/fume/gas/mist/vapours/spray.
P261 : Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 : Wash hands thoroughly after handling.
P270 : **Do not** eat, drink or smoke when using this product.
P271 : Use only outdoors or in a well-ventilated area.
P273 : Avoid release to the environment.
P280 : Wear eye protection/face protection.

Response:

P301+P312 : IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P304+P340 : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 : If IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 : Call a POISON CENTER or doctor/physician if you feel unwell.
P314 : Get medical advice/attention if you feel unwell.
P330 : Rinse mouth.
P332+P313 : If skin irritation occurs: Get medical advice/attention.
P337+P313 : If eye irritation persists: Get medical advice/attention.
P391 : Collect spillage.

Storage: -

Disposal:

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

SECTION 3: INFORMATION ON INGREDIENTS

Component (s)	CAS Number	Concentration (%w/v)
Fipronil	120068-37-3	10.00
Other ingredients determined not to be hazardous	-	Balance to 100.00

SECTION 4: FIRST AID MEASURES

If skin contact : Remove contaminated clothing immediately and rinse skin off with plenty of water. Get medical attention immediately if irritation persist.

If Inhaled : Move patient to fresh air. If breathing is difficult, give artificial respiration and get medical attention immediately.

If eye contact : Wash with plenty of water Remove contact lenses Remove it if it is not difficult. Open your eyes wide. So that the water flows for at least 15 minutes, get medical attention immediately.

If Ingest : If swallowed, **DO NOT** induce vomiting. Unless supervised by medical personnel should not be given anything by mouth to an unconscious patient. Get medical attention immediately and bring along the container, label or leaflet of product.

Advice to Doctor : Symptomatic treatment.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media Suitable : Water, Alcohol-resistant foam, Dry chemical, Carbon dioxide (CO_2)

Extinguishing Media Unsuitable : No data available.

Specific Hazards Rising from the Chemical : Decomposition products may produce carbon monoxide (CO) carbon dioxide (CO_2), 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 (Self - Contained Breathing Apparatus, SCBA) and chemical-protective clothing.

: 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.

: **DO NOT** *breathe vapour*.

: Remove contaminated clothes immediately.

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

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	: Avoid contact with skin, eyes and clothing. : Wash your hands thoroughly with soap and water after handling and before eating, drinking or smoking. : Remove contaminated clothing and equipment before entering the dining area. : Avoid prolonged contact with the substance. : Use the product in a well-ventilated area. : Clean hands and body after every use.
Precautions for Safe Storage	: Keep container tightly closed. : Keep in a well-ventilated place, dry and cool. : Keep away from children, food, pets, flame and heat. : Keep it in an upright position and protect the container against physical damage. : 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	: No data available.
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, safety glass and organic vapour respirator. Clean tools after use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance		: Flowable without agglomerate.
Odor		: Characteristic odor.
Odor Exposure Limits		: No data available.
pH value		: 5.00 – 7.00 at 25 degree Celsius.
Melting / Freezing point		: No data available.
Boiling point / Range		: No data available.
Flash point		: No data available.
Evaporation Rate		: No data available.
Flammability		: Non-flammable.
Flammable Limits	(LFL) %	: No data available.
	(UFL) %	: No data available.
Explosion Limits	(LEL) %	: No data available.
	(UEL) %	: No data available.
Vapour Pressure		: No data available.
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		: Soluble to milky suspension.
Specific Gravity / Density		: 1.040 – 1.070 Kg/L at 30 degree Celsius.
Viscosity		: 300 - 600 cPs at 25 degree Celsius.

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 flame and heat.
Incompatible Materials	: Strong oxidizing agents, Strong bases and Strong acids
Hazardous Decomposition Product	: No data available.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity, Oral : LD_{50} = 924.75 mg/kg (Rat) (Calculated)
Dermal : LD_{50} = 3,500.87 mg/kg (Rabbit) (Calculated)
Inhalation : LC_{50} = 3.00 mg/L (4 Hours in Rat) (Calculated)

Skin Corrosion / Irritation	: Causes mild skin irritation.
Serious Eye Damage / Eye Irritation	: Causes serious eye irritation.
Skin Sensitizer	: Not Classified.
Respiratory Sensitizer	: Not Classified.
Germ Cell Mutagenicity	: Not Classified.
Carcinogenicity	: Not Classified.
Reproductive Toxicity	: Not Classified.
Specific Target Organ Toxicity Following - Single Exposure	: Not Classified.
Specific Target Organ Toxicity Following - Repeat exposure	: May cause damage to central nervous system through prolonged or repeated exposure.
Aspiration Hazard	: Not Classified.

SECTION 12: ECOLOGICAL INFORMATION

Hazard 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.

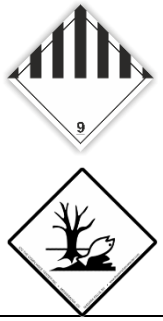
SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Method
: Waste must be disposed of in accordance with federal, state and local environmental control regulations.
: **DO NOT** dispose into the environment, public waterways, drains and sewers.
: Should not produce waste contaminated soil or bodies of water.

Container Treatment Method
: Should be disposed of in accordance with local regulations and laws in force in the country or region.
: **DO NOT** pierce or burn, even when empty.
: **DO NOT** dispose of empty containers into public waterways.

SECTION 14: TRANSPORT INFORMATION

14.1 Number and transport information of the European Union

Regulation	UN Number	Correct Shipping Name	Classes	PG*	Symbols	Remark
ADR	**UN 3082**	**ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.** (Contains Fipronil)	9	III		**Hazchem code** 3Z
IMDG	**UN 3082**	**ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.** (Contains Fipronil)	9	III		**Emergency schedules (Ems)** F-A, S-F
IATA	**UN 3082**	**ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.** (Contains Fipronil)	9	III		**Limited Quantities - Passenger Aircraft** Quantity limitation: No Limit Packaging instructions: P001 **Cargo Aircraft Only** Quantity limitation: No Limit Packaging instructions: P001

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.

Types of Hazardous Material : 3 (FDA Thailand)

FDA Registration No. : Thai FDA 639/2552

APVMA Approval No : 63789/126108

SECTION 16: OTHER INFORMATION

Reference : 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
: บัญชีรายชื่อวัตถุอันตราย กระทรวงอุตสาหกรรม;
https://www.jetro.go.jp/ext_images/thailand/thai/pdf/hazardlist13_tha.pdf

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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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