



SHERWOOD AUSTRALASIA PTY LTD

# SAFETY DATA SHEET CHAINDRITE PERMFORCE DUST INSECTICIDE

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Effective Date: January 22, 2020

Version : 1.1 Printed Date : January 28, 2020

## SECTION 1: IDENTIFICATION

- 1.1 Product Name **CHAINDRITE PERMFORCE DUST INSECTICIDE**  
Product Code: 83568313  
Active Ingredients Permethrin ... content 1.00% w/w  
Appearance Yellowish-white powder with characteristic odor.  
Benefit Protect against termites & crawling insects such as ants, cockroaches, fleas, ticks, silverfish and powder post beetles.
- 1.2 Guideline and Caution for using this product.  
Guidelines  
1. Always wash hand after using.  
2. Always wear protection if allergic to chemical easily.
- Cautions  
1. **DO NOT** keep product near heated, spark or flame.  
2. **DO NOT** eat and contact on skin, eye and inhalation.  
3. **DO NOT** disposal this products and containers into public water sources.
- 1.3 Manufacturer and Distributor  
Distributor **Sherwood Chemicals Australasia Pty Ltd**  
Address Level 3, 1060 Hay Street, WEST PERTH 6005 AUSTRALIA  
Contact Tel: +61 8 9219 4683 Fax: +61 8 9219 4672  
Website www.sherwoodchemicals.com.au
- 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 www.sherwood.co.th
- Emergency Contact Tel. +61 421 667972 All hours

## SECTION 2: HAZARDS IDENTIFICATION

Classification according to GHS

: Acute Toxicity - Oral	Category 4
- Dermal	Category 5
- Inhalation	Category 4
: Skin Corrosion / Irritation	Category 3
: Eye Damage / Irritation	Category 2B
: Carcinogenicity	Category 2
: Reproductive Toxicity	Category 1
: Hazardous to the Aquatic Environment - Short-Term (Acute) Hazard	Category 1
- Long-Term (Chronic) Hazard	Category 1



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Pictogram (s):



Signal Word

**DANGER**

Hazard Statement

- Health: H302 : Harmful if swallowed.  
H313 : May be harmful in contact with skin.  
H332 : Harmful if inhaled.  
H316 : Causes mild skin irritation.  
H320 : Causes eye irritation.  
H351 : Suspected of causing respiratory cancer.  
H360 : May damage fertility or the unborn child.
- Environment: H400 : Very toxic to aquatic life.  
H410 : Very 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: P201 : Obtain special instructions before use.  
P202 : **DO NOT** use until all safety precautions have been read and understood.  
P261 : Avoid breathing in dust.  
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 releasing the product into the environment.  
P280 : Wear protective gloves / protective clothing / eye protection / face protection.
- Response: P301+P312 : If swallowed, call a POISON CENTER or doctor/physician if feeling unwell.  
P304+P340 : If inhaled, relocate person to fresh air and keep 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.  
P308+P313 : If expose or concerned, get medical advice / attention.  
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 P405 : Store locked up.



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

## SECTION 3: INFORMATION ON INGREDIENTS

Component (s)	CAS Number	Content
Permethrin	52645-53-1	1.00%
Other ingredients	Mixture	5.00 - 7.00%
Base Powder: Talcum Powder	14807-96-6	Balance to 100.00%

## SECTION 4: FIRST AID MEASURES

- If Eye Contact : 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 Ingestion : Rinse off with plenty of water. **DO NOT** induce vomiting, get medical attention immediately.
- If Inhalation : Move patient to fresh air. If breathing is difficult, give artificial respiration and get medical attention immediately.
- If Skin contact : Remove contaminated clothing immediately and rinse skin off with plenty of water. Get medical attention immediately if irritation persist.
- Basic First Aid : For advice, contact to the Poison Information Center, 1367 or Tel: (+66) 02-419-7007 (All 24 hours). If feel unwell, keep the patient warm and get immediate medical attention.
- Advice to Doctor : Symptomatic treatment.

## SECTION 5: FIRE FIGHTING MEASURES

- Extinguishing Media Suitable : Use carbon dioxide, water spray, foam or dry powder extinguishers.  
Unsuitable : No data available.

Specific Hazards Rising from the Chemical : No data available.

Special Protective Action for Fire-Fighters : Wear self - contained breathing apparatus and chemical-protective clothing (Self - Contained Breathing Apparatus, SCBA).  
: Spray or fog water to cool outside of containers.



## SECTION 6: ACCIDENTAL RELEASE MEASURES

- Personal Precautions : **DO NOT** eat, drink or smoke.  
: Wash hands and exposed skin.  
: Remove people out from spilled areas.  
: Remove contaminated clothing immediately.  
: Avoids contact directly to skin, eye and breathing dust.
- Personal Protecting Equipment : Wear protecting glove if allergic to chemical easily.
- 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  
: **DO NOT** empty into drains.  
: Absorb liquid with absorbent material (sand, diatomaceous earth, sawdust) and stored in a suitable container for disposal.  
: Waste through waste removal contractor is licensed and / or local authority control.

## SECTION 7: HANDLING AND STORAGE

- Precautions for Safe Handling : Avoid contact with eyes.  
: Wash hands with soap and water after handling.  
: Remove contaminated clothing and protective equipment before entering eating areas.  
: Ensure there is sufficient ventilation in the area.  
: Use in a well-ventilated place.  
: Always wash hands with soap and water after handling.
- Precautions for Safe Storage : Storage in normal temperature at dry, cool and well ventilate.  
: Stored in an upright position and protect container against physical damage.  
: Keep away from food, drink and animal feeding stuffs.  
: Keep container tightly closed and away from children, foods and pets.  
: Keep away from heat, sunlight, flame and incompatible materials.  
: Keep away from corrosive products and incompatible material.  
: Keep in a cool, dry and well-ventilated place.

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

- National Exposure Standard : No occupational exposure limits known. Read the manual before using.
- Engineering Controls : None necessary.
- Personal Protective Equipment : Wear safety glasses and appropriate chemical resistance protective gloves and clean up after work.



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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Yellowish-white powder
Odor	: Characteristic odor.
Limit of Odor to Receive	: No data available.
pH value	: 6.0 - 8.0 at 25°C
Melting / Freezing Point	: No data available.
Boiling Point / Range	: No data available.
Flash Point	: No data available.
Evaporation Rate	: No data available.
Flammability of Solid and Gas	: Non-Flammable.
Flammable Limits (LFL) %	: Not applicable.
(UFL) %	: Not applicable.
Explosion Limit (LEL) %	: Not applicable.
(UEL) %	: Not applicable.
Vapour Density	: No data available.
Vapour Pressure	: No data available.
Relative Density (Water = 1)	: No data available.
Partition Coefficient in n-Octanol / Water	: No data available.
Auto - Ignition Temperature	: No data available.
Decomposition Temperature	: No data available.
Solubility	: Insoluble in water.
Specific Gravity / Density	: 0.40 - 0.70 kg/L (Untapped density)
Viscosity	: Not applicable.

## 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, sparks and open flames. Avoid extremes of temperature, e.g. below 0°C and above 40°C.
Incompatible Materials	: Strong acid and base agents.
Hazardous Decomposition Product	: Combustion or thermal decomposition will evolve carbon and nitrogen oxides and Halogen derivative compounds.



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## SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity, Oral : LD<sub>50</sub> = 996.65 mg/kg (rat) (Calculated)  
Dermal : LD<sub>50</sub> = 4,435.43 mg/kg (rabbit) (Calculated)  
Inhalation : LD<sub>50</sub> = 2.28 mg/Lt (rat, 4h) (Calculated)

Skin Corrosion / Irritation : Causes mild skin irritation.  
Serious Eye Damage / Irritation : Causes eye irritation.  
Skin Sensitization : Not Classified.  
Respiratory Sensitization : Not Possible to Classify.  
Germ Cell Mutagenicity : Not Possible to Classify.  
Carcinogenicity : Suspected to causing respiratory cancer.  
Reproductive Toxicity : May damage fertility or the unborn child.

Specific Target Organ Toxicity  
Single Exposure : Not Classified.  
Repeat Exposure : Not Classified.  
Aspiration Hazard : Not Possible to Classify.

## SECTION 12: ECOLOGICAL INFORMATION

Hazard to the Aquatic Environment  
- Short-Term (Acute) Hazard : Very toxic to aquatic life.  
- Long-Term (Chronic) Hazard : Very toxic to aquatic life with long lasting effects.

Persistence and Degradability : This product is expected to be decomposed immediately. (Readily biodegradable) Stable to degradation in the environment.

Bio-Accumulative Potential : This product is not expected to bio accumulate.

Mobility in Soil : Leaching potential of Permethrin and its degradates show that very little downward movement occurs in soil. Permethrin in aquatic environment absorbs to vegetation and hydro soil.

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.  
: **DO NOT** produce waste contaminated soil or water.

Container Treatment Method : **DO NOT** pierce or burn, even when empty.  
: Waste must be disposed of in accordance with federal, state and local environmental control regulations.  
: This product is dangerous for the environment. **DO NOT** discharge to sewers, drains or watercourses.



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## SECTION 14: TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Classes	PG*	Label	Additional Information
ADR	3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains permethrin)	9	III		Hazchem code 2Z
IMDG	3077	ENVIRONMENTALLY HAZARDOUS (MARINE POLLUTANT)	9	III		Emergency schedules (Ems) F-A, S-F
IATA	-	-	-	-	-	-

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

Agricultural and Veterinary Chemicals Legislation. : Australian APVMA No. 62664

Labelling According To EU Guideline

T : Toxic  
Xn : Harmful  
Xi : Irritant

Risk Phrases      R22      Harmful if swallowed  
                         R36      Irritating to eyes  
                         R50      Very toxic to aquatic organisms  
                         R50/53      Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
                         R60, R61      May impair fertility, may cause harm to the unborn child



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Safety Phrases	S2	Keep out of the reach of children
	S7/9	Keep container tightly closed and in a well-ventilated place
	S15	Keep away from heat
	S20/21	When using DO NOT eat, drink or smoke
	S27/28	After contact with skin, take off immediately all contaminated clothing and wash immediately with plenty of water
	S37/39	Wear suitable gloves and eye / face protection
	S62	If swallowed, DO NOT induce vomiting: seek medical advice immediately and show this container or label.
	S63	In case of accident by inhalation: Remove casualty to fresh air and keep at rest.
	S64	if swallowed, rinse mouth with water (only if the person is conscious).

## 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](http://www.safe.nite.go.jp/english/ghs/ghs_index.html)

### **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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**- END -**