

Imiprothrin 50%

SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Imiprothrin 50%
Other Names: Pralle®, Imiprothrin MUP
Recommended Use: A raw synthetic material used for the manufacture and preparation of insecticidal products for use by professionals and householders/domestic.
Company: Sumitomo Chemical Australia Pty Ltd
A.B.N. 21 081 096 255
Address: 51 Rawson Street, EPPING NSW 2121
Telephone Number: (02) 8752 9000 (Mon–Fri 8am–5pm EST)
Emergency Telephone Number: 1800 024 973 (24 hours) (EMERGENCIES ONLY)
Website: www.sumitomo-chem.com.au

SECTION 2: HAZARDS IDENTIFICATION

Hazard Classification: Hazardous according to the criteria of the Australian Safety and Compensation Council (ASCC).
Risk Phrases: Xn:
R20 - Harmful by inhalation.
N:
R50/53 – Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety Phrases: S23 – Do not breathe fumes or vapour.
S24 – Avoid contact with skin.
S25 – Avoid contact with eyes.
SUSDP Classification (Poison Scheduling): S5 – CAUTION (as a preparation of 50% technical)
ADG Classification: Not classified as a Dangerous Good (under the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code)).

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Identity	CAS number	Proportion
Imiprothrin	72963-72-5	50%
Other ingredients	-	to 100%

SECTION 4: FIRST AID MEASURES

If poisoning occurs, immediately contact a doctor or Poisons Information Centre (Phone Australia 131126; New Zealand 0800 764 766), and follow the advice given. Show this Material Safety Data Sheet to a doctor.

General: In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
Swallowed: If swallowed, do not induce vomiting, seek medical advice.
Skin contact: If on skin, remove contaminated clothing and wash skin thoroughly with soap and water. Launder contaminated clothing before re-use. Seek medical advice if irritation develops.
Eye contact: If in eyes, hold eyes open and flood with water for at least 15 minutes and seek medical advice.
Inhalation: If affected, remove from contaminated area to fresh air. If any signs or symptoms occur or persist, seek medical advice.

Note to physician:

Apply basic aid and decontamination procedures. Treat symptomatically.

Synthetic pyrethroids can produce parasthesias.

SECTION 5: FIRE FIGHTING MEASURES

Flashpoint:	110°C (Pensky-Martens closed cup)
Flammable limits:	NDA
Auto-ignition temperature:	356°C
Suitable Extinguishing Media:	Small fire: Use dry chemical, carbon dioxide or water spray. Large fire: Use water spray, fog or foam – Do not use water jets.
Hazards from Combustion Products:	Thermal decomposition will produce CO and NOx.
Precautions for Fire Fighting and Special Protective Equipment:	Products from combustion of fires involving this material may be toxic. Avoid breathing smoke or mists. Ensure respiratory equipment is available. Evacuate immediate area. Minimise the amount of water used for fire fighting. Advise Fire Brigade of nature of hazard. Wear full protective equipment, including breathing apparatus. Surrounding containers should be cooled using a fine water spray. All run-off must be contained. Decontaminate personal protective equipment and fire fighting equipment before reuse.
Hazchem Code:	2X

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency Telephone Number: 1800 024 973 (24 hours) (EMERGENCIES ONLY)

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP PROCEDURES**SPILLS**

Stop the source of the spill if it is safe to do so. Contain the spill to prevent further contamination of the soil, surface water, or ground water. Wear personal protective equipment as specified in Section 8. Do not allow material to enter sewers or bodies of water.

Small Spills: (Liquid spill)	Apply absorbent inert material such as soil, dry sand or vermiculite to the spill area. Sweep up material when absorption is complete and contain in a refuse vessel for disposal. If necessary, wash the spill area with an alkali detergent and water and absorb and contain as above.
Large Spills: (Liquid Spill)	Place leaking containers into salvage drums. Apply absorbent inert material such as soil, dry sand or vermiculite to the spill area. Form a barricade around spill and in front of drains or waterways in spill vicinity, using soil or other non reactive material. Sweep up material and contain in a refuse vessel for disposal. Contact emergency services as required.
Disposal:	Contaminated material must be disposed of in accordance with all State and/or Local regulations.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling:	DO NOT USE OR STORE near flame, sparks or hot surfaces. Use only in well ventilated area. Keep container closed. Keep out of reach of children, unauthorised persons and animals. After handling and before eating, drinking or smoking, wash hands, arms and face with soap and water. For personal protection, see Section 8.
Conditions for Safe Storage:	Keep out of reach of children, unauthorised persons and animals. Store in the closed, original container in a dry, cool, well ventilated area, out of direct sunlight. Keep container tightly closed. Do not store near food, feedstuffs, fertiliser or seed. Store at ambient temperatures.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

NATIONAL EXPOSURE STANDARDS

Australian Safety and Compensation Council (ASCC) exposure standards have not been assigned for the active ingredient.

ENGINEERING CONTROLS

Provide adequate ventilation. Keep container tightly closed.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection:	Use only in well ventilated areas. Respiratory protection is recommended.
Hand Protection:	Wear chemical resistant gloves.
Eye Protection:	Avoid contact with eyes. Eye contact can be avoided by wearing protective eyewear.
Skin and Body Protection:	Avoid contact with skin or clothing. Skin contact should be minimised by wearing protective clothing including gloves, long sleeved shirt, long pants and chemical resistant boots.
Other Information:	Wash hands after use. Launder clothes, gloves and face shield or goggles before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (Product Specific)

Appearance:	Golden yellow clear liquid.
Odour:	Sweet odour.
pH:	5.22 (25°C)
Vapour Pressure:	NDA
Vapour Density:	NDA
Boiling Point:	NDA
Melting Point:	NDA
Solubility in water:	93.5 g/mL at 25°C in water (imiprothrin TG)
Solubility in other solvents:	Soluble in hexane and methanol.
Density:	0.982 g/mL (20°C)
Viscosity:	60 CPS (12 RPM)
Flashpoint:	110°C (Pensky-Martens closed cup)
Explosive Limits:	NDA
Ignition Temperature:	356°C
Octanol/Water Partition Coefficient:	Log Pow = 3.02 (20°C)

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable under recommended storage and handling conditions (See Section 7). Unstable in light particularly UV light.
Conditions to Avoid:	Avoid direct sunlight. Isolate from sources of heat, naked flames or sparks.
Incompatible Materials:	Alkaline materials and oxidizing materials.
Hazardous Decomposition Products:	Emits toxic fumes under fire conditions (See also Section 5).
Hazardous Reactions:	NDA

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE HEALTH EFFECTS (Formulated Product)

Toxicology

Swallowed:

LOW TOXICITY.

(LD₅₀ (female rat) = 2400 mg/kg)

(LD₅₀ (male rat) = 4500 mg/kg)

Accidental ingestion of small amounts is not expected to be harmful.

Skin:

LOW TOXICITY.

(LD₅₀ (male and female rat) > 2000 mg/kg)

Contact with skin is not expected to be harmful.

Inhalation:

MODERATELY TOXIC.

(LC₅₀ female rat (4 hour) = 2.81 mg/L – 3.62 mg/L)

Inhalation may be harmful.

Irritation

Skin:

NON-IRRITANT.

Eye:

SLIGHT IRRITANT (in unwashed eye).

Sensitisation

Skin:

NOT A SKIN SENSITISER.

CHRONIC/CARCINOGENIC HEALTH EFFECTS

Not carcinogenic.

OTHER TOXICOLOGICAL INFORMATION

Mutagenicity Information

Not mutagenic.

Teratology (Birth Defects) Information

Not teratogenic.

Reproduction Information

Not genotoxic.

SECTION 12: ECOLOGICAL INFORMATION

DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

ECOTOXICITY (Active Ingredient)

Highly toxic to fish:

LC₅₀ Rainbow trout (96 hour) = 0.038 mg/L

Highly toxic to aquatic invertebrates:

EC₅₀ *Daphnia pulex* (48 hour) = 0.051 mg/L

Toxic to algae:

EC₅₀ *Selenastrum capricornutum* (72 hour) = 3.1 mg/L

Low toxicity to birds:

Dietary LC₅₀ (8d) Bobwhite quail and Mallard ducks > 5620 ppm

ENVIRONMENTAL FATE (Active Ingredient)

Biodegradability:

Readily biodegradable.

SECTION 13: DISPOSAL CONSIDERATIONS

This material must be disposed of as a hazardous waste. Disposal should be in accordance with local, national or state regulations.

Contaminated Packaging:

Break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

SECTION 14: TRANSPORT INFORMATION

Road/ Rail
Sea/Air

Not a dangerous good according to the Australian ADG code
Classified as dangerous in the meaning of Sea (IMDG) and Air (ICAO/IATA) transport regulations.

Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S (Imiprothrin)
Class: 9
UN Number: 3082
Hazchem Code: 2X
Packing Group: III

SECTION 15: REGULATORY INFORMATION

Registration Status: The active ingredient is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA) and is also a known substance in New Zealand (HSNO Act).

SECTION 16: OTHER INFORMATION

Abbreviations:

NA Not Applicable
NDA No Data Available

Revision Date: 2 September 2014
Revision Number: 6

THE INFORMATION GIVEN IN THIS MSDS IS BASED ON DATA AVAILABLE AS OF THE REVISION DATE GIVEN HEREIN, AND BELIEVED TO BE CORRECT. EACH USER SHOULD READ THIS MSDS AND CONSIDER THE INFORMATION IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE INCLUDING IN CONJUNCTION WITH OTHER PRODUCTS. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY.