



Safety Data Sheet

SDS No.:
SDS-P/WP-M/01

Mipcin 50WP

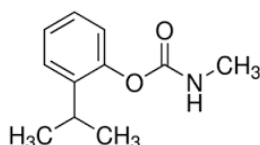
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Section 1: Identification of the Hazardous Chemical and of the Supplier

1.1 Product Identifier

Product Name: Isoprocarb 50% WP
Trade Name: Mipcin 50 WP
Active Ingredient: 2-isopropylphenyl methylcarbamate
CAS No.(AI): 2631-40-5
Structural Formula:



Recommended Usage: Preparation for Insecticide

1.2 Supplier's Information

Address: Agricultural Chemicals (M) Sdn. Bhd.
962, Lorong Perusahaan 8
Taman Perindustrian Perai
13600 Perai , Pulau Pinang
Malaysia
Tel.: +6-04-3907988
Fax: +6-04-3905703
Web: www.agrichem.com.my
Emergency Phone: +6-04-3907988

Section 2: Hazard Identification

Classification: Acute oral toxicity category 4
Eye irritation category 2
Acute aquatic toxicity category 1
Chronic aquatic toxicity category 1

Pictogram:



Signal Word: Warning

Hazard Statement:
H302 Harmful if swallowed



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H319 Causes serious eye irritation
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects

Precautionary Statement:

P264 Wash exposed body parts thoroughly after handling.
P280 Wear rubber gloves, protective clothing, safety goggles and face protection.
P273 Avoid release to the environment.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P391 Collect spillage.
P501 Dispose of contents/containers to Kualiti Alam or in accordance with DoE Regulations / local regulations.

Section 3: Composition and Information of the Ingredients of the Hazardous Chemical

Component	CAS No.	Weight, %	Hazard Code
Isoprocarb	2631-40-5	50%	H302, H400, H410
Surfactant	-	< 5%	H302, H315, H318
Carrier 1	-	< 10%	H319
Carrier 2	-	Balance	H319

Section 4: First-aid Measures

Call a POISON CENTER or doctor/physician if you feel unwell.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin Contact: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion: DO NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

Symptoms: Please refer Section 11.

Notes to Physician: No data available.



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Section 5: Fire-fighting Measures

Suitable Extinguishing Media: Water, carbon dioxide (CO₂), chemical foam, dry chemical
Specific Hazard During Fire: No data.
Special Protective Equipment: Fire fighters should wear full-faced self-contained breathing apparatus and protective clothing.

Section 6: Accidental Release Measures

Personal Precautions: Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.
Environmental Precautions: Avoid release to the environment.
Method for Cleaning Up: Wear protective clothing as indicated in Section 8. Evacuate non essential personnel. Collect the spill into waste container for disposal. Wash the contaminated area with a little water and detergent. Adsorb with inert material such as clay or earth. Collect into the same container for disposal. Prevent the spillage from entering local drainage system.

Section 7: Handling and Storage

Precautions for Safe Handling: Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not breathe dust. Avoid release to the environment.
Conditions for Safe Storage: Store in a well ventilated place. Keep away from heat/sparks/open flames/hot surfaces - No smoking. Keep container tightly closed.
Incompatibles: None known.

Section 8: Exposure Control and Personal Protection

Exposure Limit:

Source	Component	CAS No.	Limit	
	Carrier 1	-	TWA	10mg/m ³
OSHA	Carrier 1	-	STEL-TWA	6mg/m ³ (<1%)
ACGIH	Carrier 1	-	STEL-TWA	10mg/m ³ (<1%)
NOISH	Carrier 1	-	STEL-TWA	6mg/m ³ (10hrs)
OSHA	Carrier 2	-	TWA total particulate	15mg/m ³
OSHA	Carrier 2	-	TWA respirable fraction	5mg/m ³



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ACGIH TLV	Carrier 2		TWA respirable dust	2mg/m ³
NIOSH REL	Carrier 2		TWA total particulate	10mg/m ³
NIOSH REL	Carrier 2		TWA respirable fraction	5mg/m ³

Engineering Control: Local exhaust ventilation
Individual Protection Measure: Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not breathe dust.
Personal Protective Equipment:
Eye Protection: Protective goggles
Skin Protection: Rubber gloves and boots
Respiratory Protection: Dust mask or respirator

Section 9: Physical and Chemical Properties

Appearance: Off-white powder
Odour: Characteristic odour
Odour Threshold: No data available
pH: 6.0
Melting/Freezing Point: 88 – 93°C (Isoprocarb)
Initial Boiling Point: No data available
Boiling Range: No data available
Flash Point: Not applicable
Evaporation Rate: No data available
Flammability: Not applicable
Upper Flammability Limit: Not applicable
Lower Flammability Limit: Not applicable
Vapour Pressure: No data available
Vapour Density: No data available
Relative Density: 0.32g/ml
Solubility in Water: Suspense in water
Partition Coefficient P_{o/w}: No data available
Auto-ignition Temperature: No data available
Decomposition Temperature: No data available
Viscosity: Not applicable

Section 10: Stability and Reactivity

Reactivity: No data available
Chemical Stability: The material is stable under normal storage condition
Hazardous Reaction: No data available
Condition to Avoid: No data available
Incompatible Material: Strong oxidizing agents



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Hazardous Decomposition

Product: No data available

Section 11: Toxicological Information

11.1 Acute Toxicity

Component: Isoprocarb		
Ingestion, oral LD ₅₀		
	Rat	450mg/kg
Dermal, LD ₅₀		
	Rabbit	10,250mg/kg
Inhalation, LC ₅₀		
	Rat, 4hr	>500mg/m ³
Component: Surfactant 1		
Ingestion, Oral LD ₅₀ :		
	Rat	≥ 1400mg/kg

11.2 Chronic Effect from Short and Long Term Exposure

Skin Contact: No data available
Eye Contact: Causes serious eye irritation
Inhalation: No data available
Ingestion: No data available
Carcinogenicity: No data available
Mutagenicity: No data available
Teratogenicity: No data available

11.3 Symptoms

Isoprocarb: Cholinesterase inhibitors can cause heavy salivation and secretion in the lungs, lachrymation, blurred vision, involuntary defecation, diarrhoea, tremor, ataxia, sweating, hypothermia, lowered heart rate, abd/or a fall in blood pressure as a result of their action at cholinergic nerve sites, headache, nausea, vomiting, dizziness, drowsiness, confusion, weakness, muscle cramps/spasms, change in pupil size, fever, seizures, incoordination.

Section 12: Ecological Information

Ecotoxicity:

Component: Isoprocarb		
Acute Toxicity		
	<i>Cyprinus carpio</i> , LC ₅₀ , 96 hr	32mg/L
	<i>Daphnia magna</i> , EC ₅₀ , 0.5hr	0.009mg/L

Persistence and Degradability: No data available

Bioaccumulative Potential: No data available



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Mobility in Soil: No data available
Other Adverse Effect: No data available

Section 13: Disposal Information


Dispose of contents/container to Kualiti Alam / authorized body by DOE.

Section 14: Transportation Information

Land (ADR/RID)	
Proper Shipping Name	Pesticide, Solid, Toxic, N.O.S.
Hazard Class	6.1
Hazchem Code	-
UN number	2588
Packing Group	III
Label / Mark	6
Sea (IMDG)	
Proper Shipping Name	Pesticide, Solid, Toxic, N.O.S.
Hazard Class	6.1
UN Number	2588
Packing Group	III
Marine Pollutant	-
Label	6
Transport Document Name	-
Air (IATA)	
Proper Shipping Name	Pesticide, Solid, Toxic, N.O.S.
Hazard Class	6.1
UN number	2588
Packing Group	III
Label / Mark	6
Transport Document Name	-

Section 15: Regulatory Information

Classification: Acute oral toxicity category 4
Eye irritation category 2

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Acute aquatic toxicity category 1
 Chronic aquatic toxicity category 1

Signal Word: Warning

Pictogram:



Pesticides Act: Class III
 Classification: Harmful

Section 16: Other Information

Date of Preparation: 6 November 2015
 Date of Revision: -
 Reference Document: ICOP on Chemicals Classification and Hazard Communication 2014
 GHS Purple Book
 MSDS

Disclaimer: To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein.