

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND MANUFACTURER

Product Name: Pyrimethanil 40 % SC

Chemical group: Anilinopyrimidine

Recommended use: Fungicide for agricultural use

Formulation: Suspension concentration

2. HAZARDS IDENTIFICATION

Hazard classification: Not Hazardous

(National Occupational Health and Safety Commission – NOHSC)

Risk phrases: None

Safety Phrases: see section 4, 5, 6, 7, 8, 10, 12, 13

ADG classification: Not a “Dangerous good “ for transport by road or rail in according to the code for the Transport of dangerous goods by road and rail.

SUSDP Classification: Exempt (standard for the Uniform Scheduling of Drugs and Poisons)

3. Composition/ information on ingredients

Ingredients	CAS Number	Concentration (%)
Pyrimethanil	53112-28-0	40
Other ingredients	No hazardous	60

4. FIRST AID MEASURES

If poisoning occurs, immediately contact a doctor or poison information center, and follow the advice given. Show this Material Safety Data Sheet to the doctor.

Inhalation: if inhaled remove to fresh air and keep at rest. Obtain medical advice.

Skin contact: carefully remove contaminated clothing. Wash affected areas with soap and water. Seek medical aid if irritation persists.

Eye contact: rinse eyes immediately with clean water for at least 15 minutes. If symptoms persist seek medical aid.

Ingestion: wash out mouth with water. Do NOT induce vomiting. Give water to drink. Seek medical advice as above.

First Aid Facilities: Ensure washing facilities, including an eyewash station, are available.

Medical attention:

Local contamination: Slight irritation is possible. For local contamination, treatment should be symptomatic after decontamination.

Systemic poisoning: No symptoms have been reported with this product.

For systemic poisoning initial treatment should be symptomatic and supportive. Gastric lavage is not required. However, administration of activated charcoal and sodium sulphate can be considered for significant ingestions.

There is no antidote for poisoning with pyrimethanil.

5. FIRE FIGHTING MEASURES

Extinguishing media: As this product is not combustible, use extinguishing agent suitable for the surrounding fire.

Hazard from combustion products: In a fire, formation of oxides of carbon and nitrogen can be expected.

Precautions for fire fighters: Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Keep unnecessary people away. If it can be done safely, remove intact containers from the fire. Otherwise spray unopened containers with water to cool. Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of extinguishing agent and spillage safely later.

Hazchem code: Not applicable

6. ACCIDENTAL RELEASE MEASURES

Avoid contact with spilled material or contaminated surfaces. Do not smoke, eat or drink during the clean up process. Wear personal protective clothing and equipment as detailed in section 8 PERSONAL PROTECTION. Keep people and animals away. Contain spill and absorb with earth, sand, clay, or other absorbent material. Prevent spilled material from entering drains or water courses. Collect and store in properly labeled drums for safe disposal. Clean floor with a damp cloth and place it in the drum. Seal drums and label ready for safe disposal deal with all spillages immediately. If contamination of drains, streams, watercourses etc. is unavoidable, warn the local water authority.

7. HANDLING AND STORAGE

Handling: Keep out of reach of children. Will irritate the skin. Avoid contact with skin. Wash hands after use. After each day's use, wash gloves and contaminated clothing.

Storage: store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Protect from frost.

Flammability: Not combustible

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure standards: there are no applicable NOHSC exposure standards.

Biological limit values: None allocated

Engineering controls: Control process conditions to avoid contact. Use in a well-ventilated area only.

Personal protective EYE: safety goggles if exposure is likely

Equipment Clothing: cotton overalls buttoned to the neck and wrist and a washable hat

Gloves: Elbow-length PVC gloves

Respiratory: Respiratory protection is not normally required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Being liquid

Odour: Almost odourless

pH: 6-9

Vapour pressure: 2.2 mPa at 25 °C (pyrimethanil)
Vapour density: not available
Freezing/melting
Point: not available
Solubility: disperses in water
Flash point: >110 °C
Flammability
(explosive) Limits: not available
Auto-ignition
Temperature: Not self ignitable
Partition coefficient
(octanol/water): pyrimethanil: Log Pow=2.84 at 25 °C

10. Stability and reactivity

Chemical stability Stable under normal condition of use.
Condition to avoid Excessive heat, freezing
Incompatible None known
Hazardous In a fire, formation of oxides of carbon and nitrogen can be expected.
Decomposition No thermal decomposition up to 150 °C
Hazardous reactions: None

11. TOXICAL ORICAL INFORMATION

POTENTIAL HEALTH EFFECTS

Inhalation: Harmful if inhaled. Low toxicity.

Skin contact: Will irritate skin. The dermal toxicity of this product is low. It is not a skin sensitiser.

Eye contact: May irritate eyes.

Ingestion: Harmful if swallowed. Low toxicity.

TOXICITY DATA

Acute:

Oral toxicity: LD₅₀ rat: >5000 mg/kg

Dermal toxicity: LD₅₀ rat: >4000 mg/kg

Inhalation toxicity: LC₅₀ rat (4 hour): >1.26 mg/L. Highest attainable concentration. No deaths.

Skin Irritation: Slightly irritation (rabbit)

Eye irritation: Non irritating (rabbit)

Sensitisation: Not sensitizing (guinea pig)

Chronic:

Pyrimethanil is not listed as a carcinogen by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC) or the American Conference of Industrial Hygienists (ACGIH). Pyrimethanil was not a reproductive toxicant and was not teratogenic in animal studies. Pyrimethanil is not mutagenic.

Registered according to the Agricultural and Veterinary Chemicals Act 1988
Australian Pesticides and Veterinary Medicines Authority approval number. 46026

16. OTHER INFORMATION

This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. 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. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

Psyche Chemicals Co., Ltd.