



Hangzhou Tianlong Biotechnology Co., Ltd.

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MATERIAL SAFETY DATA SHEET

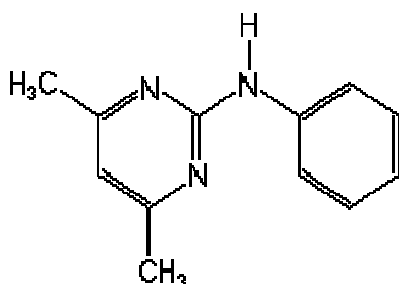
1. Chemical Product and company Identification

Product Name: Pyrimethanil

Molecular Formula: C₁₂H₁₃N₃

Molecular Weight: 199.2

Structural Formula:



Chemical Name: N-(4,6-dimethylpyrimidin-2-yl)aniline

CAS No.: 53112-28-0

Supplier: HANZHOU TIANLONG BIOTECHNOLOGY CO., LTD

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2. Composition / Information On Ingredients

Composition	CAS No.	Content %
Pyrimethanil	53112-28-0	95.0
Other ingredients		5.0

3. Hazards Summarizing

Swallowed: Harmful if swallowed.

Eye: Will irritate the eyes. The material should not be allowed to contact the eyes.

Skin: Not expected to irritate the skin. Not sensitising to skin in animal tests.

Inhaled: Avoid breathing spray / fumes. The product is expected to have low inhalation toxicity.

Chronic: In animal studies pyrimethanil was not mutagenic, carcinogenic or teratogenic, and did not produce reproductive effects. In a combined chronic toxicity/carcinogenicity study in rats (2-year feeding) the NOEL was found to be 20 mg/kg/day.

4. First Aid Measures

Swallowed: Wash out mouth with water. Keep patient at rest and seek immediate medical advice as above.

Eye: Rinse immediately with clean water, including under eyelids, for at least 15 minutes and obtain medical advice.

Skin: Carefully remove contaminated clothing. Wash affected areas with soap and water. Seek medical advice if irritation persists or if at all worried.

Inhaled: If inhaled, remove to fresh air and keep at rest. Obtain medical advice if at all worried.

First Aid Facilities: Provide eyewash facilities in the workplace.

Advice to Doctor: Symptoms of systemic poisoning include gastro-intestinal irritation, possible liver damage, lethargy, weakness, ataxia, muscle tremors and incontinence.

Treatment: Local contamination – Symptomatic after decontamination. In case of skin or eye contamination, treat as above under First Aid. Systemic poisoning – Initial treatment should be symptomatic and supportive. Monitor the respiratory, cardiac and liver functions and the Central Nervous System, with particular reference to liver enzymes. Carry out gastric lavage and charcoal administration. Anticonvulsant therapy is not appropriate. There is no specific antidote. There are no specific contraindications.

5. Fire-Fighting Measures

Extinguishing Media: Use waterspray, foam, dry powder, carbon dioxide or sand depending on the nature of the combustible materials.

Special Fire Fighting Procedures: Product is not combustible. May give off toxic fumes if burnt. Firefighters should use self-contained breathing apparatus (AS/NZS 1715, 1716) and protective clothing. If it can be done safely, remove intact containers from the fire. Otherwise, use water spray to cool them. Bund area to

prevent contamination of water sources. Dispose of fire control extinguishing agent and spillage later in a safe manner. Reactivity Hazards: None known.

6. Accidental Release Measures

Personal cautions: Safety glasses or goggles, rubber gloves, shoes plus socks, long-sleeved shirt, and long pants.

Cleaning methods

EX: The empty container may be decontaminated by rinsing two or three times with water and detergent and scrubbing the sides.

Environmental cautions

EX: Prevent the contamination of the floor and the beds of water.

7. Handling and Storage

Keep out of reach of children. Will irritate the eyes. Avoid contact with eyes.

Store in the closed, original container in a cool, well-ventilated secure area.

Do not store for prolonged periods in direct sunlight. Protect the product from frost.

8. Exposure Controls/Personal Protection

Eyes: Avoid contact with the eyes. Wear safety goggles.

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

Gloves: Wear elbow length PVC gloves.

Respiratory: Do not breathe spray/fumes. In case of insufficient ventilation, wear suitable respiratory equipment.

Other: Do not eat, drink or smoke until after washing. Wash thoroughly after handling. After each day's use wash gloves, goggles and contaminated clothing.

9. Physical and Chemical Properties

Appearance: white crystalline powder

Boiling Point: 103.3°C

Melting Point: 93.3°C

Vapour Pressure: 2.2 mPa at 25°C.

Flashpoint: Not flammable

Flammability Limits: Not applicable

Stability: In water 0.121 g/L at 20°C. in acetone 389 g/l, ethyl acetate 617 g/l, methanol 176 g/l, methylene chloride 1000 g/l, n -hexane 23.7 g/l, toluene 412 g/l.

10. Stability and Reactivity

Stability: In weak acid weak stable under alkaline condition.

Hazardous reaction: The substance decomposes on heating and on burning producing toxic and corrosive fumes.

11. Toxicological Information

Acute oral LD50: 4016-5358mg/kg (mice)

Acute oral LD50: 4150-5971mg/kg (rat)

Acute dermal LD50: >5000mg/kg (rat)

Contact with the skin: None irritation (rabbit);

Contact with the eyes: None irritation (rabbit);

In the experiment of animal dose no teratogenic, carcinogenic, mutagenic effect.

12. Ecological Information

This product is highly toxic to algae and aquatic invertebrates. Do not contaminate streams, rivers or waterways with this product or used containers. Vision presents a low hazard to bees and earthworms, but may be a hazard to parasitic wasps. Low toxicity to birds. No significant effects on soil microbial activity. Vision is not readily biodegradable and has a low potential for groundwater contamination.

13. Disposal Considerations

Triple or preferably pressure rinse containers before disposal. Add rinsings

to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or collection point. If not recycling, 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. Dispose of waste product through a reputable waste contractor.

14. Transport Information

Class: 9

UN No.: 3077

Packing group III

15. Regulatory Information

Safety Phrases: Keep out of reach of children

Keep away from food, drink and animal feeding stuff

Do not breathe spray

When using do not eat, drink or smoke

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

In case of accident or if you feel unwell, seek medical advice immediately (Show the label where possible)

Use appropriate containment to avoid environmental contamination

16. Other Information

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produce formulations containing this product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.