

Pyrimethanil -MATERIAL SAFETY DATA SHEET

Manufacturer/information service:

ZHEJIANG RAYFULL CHEMICALS CO.,LTD

ADD: NO.113 PUXING ROAD, PUZHOU INDUSTRIAL PARK, LONGWAN DISTRICT,
WENZHOU ZHEJIANG P.R. CHINA

Tel: +86-577-88905587

Fax: +86-577-88905567

Email: info@rayfull.com

sales@rayfull.com

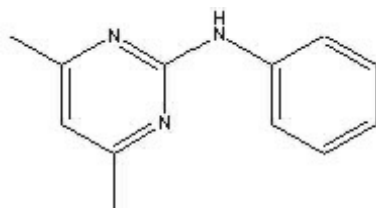
1. Chemical Product Identification

Product Name: Pyrimethanil

Molecular Formula: C₁₂H₁₃N₃

Molecular Weight: 199.26

Structural Formula:



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

Form: Solid

Color: Off-white

Odor: Characteristic low odour

CAS No.: 53112-28-0

2. Composition / Information on Ingredients

Composition	CAS No.	Content %
Pyrimethanil	53112-28-0	96.0
Other ingredients		4.0

3. Hazards Identification

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 aid 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.

5. Fire-Fighting Measures

Extinguishing Media: Use water spray, 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 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

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. Keep people and animals away. Contain spill and absorb with earth, sand, clay, or other absorbent material.

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

Melting Point: 96.3°C

Relative Density: 1.15g/mL@20°C

Solubility in Water: 0.12g/L

PH (1% v/v in water at 19°C): 6.5~8.5

Viscosity at 22°C 10860 mPaS (Brookfield)

Vapor pressure : 2.2mPa@25°C

Partition coefficient : KowlogP=2.84(pH6.1;25°C)

10. Stability and Reactivity

Stable under normal conditions of use.

11. Toxicological Information

Acute oral LD50: 4159-5971mg/kg

Dermal LD50: >5000mg/kg

Inhalation LC50 (4h) : >1.98mg/L

Contact with the skin (rat): no irritation

Contact with the eyes: no irritation

12. Ecological and Ecotoxicological 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

Not applicable.

15. Regulatory Information

Not applicable.

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 recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.