



Address: 21 Hubble, Irvine , CA 92618, USA
Tel.: 949-679-3535 Fax.: 949-679-3538
Email: amtide@sbcglobal.net

Material Safety Data Sheet (MSDS)

MSDS# AT-FUN016001

Date: 08/18/2008

Section 1 - Product Chemical and Company Identification

Product name:	Technical Propiconazole
Product Use:	Fungicide
Company:	AmTide LLC.
EPA Reg. No.:	83851-6
Emergency phone:	Chemtrec 1-800-424-9300 AmTide LLC. 1-949-753-4723

Section 2 - Composition /Information on Ingredients

Active Ingredient	CAS number	w/w %
Propiconazole	60207-90-1	98.5%
Other ingredients		1.5%

Section 3 - Hazards Identification

Emergency overview

CAUTION:

This product can cause substantial but temporary eye irritation. It may be harmful if swallowed, inhaled or absorbed through skin. Avoid contact with eyes, skin or clothing. Avoiding breathing vapor or spray mist. Keep out of reach of children.

Section 4 - First Aid Measures

If poisoning occurs, immediately contact a doctor or Poisons Information Centre, and follow the advice given. Show this Material Safety Data Sheet to the doctor.

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

If inhaled: Move person to fresh air. If person is not breathing, call 911 for an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advices.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.



Address: 21 Hubble, Irvine, CA 92618, USA
Tel.: 949-679-3535 Fax.: 949-679-3538
Email: amtide@sbcglobal.net

Note to physician: There is no specific antidote. Treat symptomatically. This compound does not cause any definite symptoms that would be diagnostic. Poisoning is accompanied by hyperactivity followed by sedation.

Section 5 - Fire Fighting Measures

Extinguishing Media: Foam, Water Spray, Dry chemical, and CO₂.

Fire Fighting Instructions: Evacuate area and fight upwind from a safe distance to avoid hazardous vapors and decomposition products. Dike and collect water used to fight fire to prevent environmental damage due to run off. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water run off.

Fire fighting equipment: Full fire fighting turn-out gear.

Hazardous combustion products: CO₂, CO, Nitrogen oxides, Hydrogen chloride.

Section 6 - Accidental Release Measures

Clean up spills immediately. Keep unnecessary and unprotected personnel from entering.

Small Spill: Absorb small spills with sand, vermiculite or other inert absorbent. Place contaminated material in appropriate container for disposal.

Large Spill: Dike large spills using absorbent or impervious material such as clay or sand. After clean up, flush contaminated area thoroughly with water. This material should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

Section 7- Handling and Storage

Handling

Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling. Wash clothing after use.

Do not store or consume food or drink, or use tobacco, in areas where they may become contaminated with this material.

USERS SHOULD: Wash hands before eating, drinking, chewing, gum, using tobacco or using the toilet.

Storage

Store in a cool, dry place away from food, drink and animal feeding stuffs. Store in original container and out of reach of children, preferable in a locked storage area. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. If product spills or container leaks, carefully sweep and collect material into a pile. Follow directions 13 for disposal.

Section 8 - Exposure Controls/Personal Protection

No special exposure limit has been conducted for this product by any known relative agencies.



Address: 21 Hubble, Irvine, CA 92618, USA
Tel.: 949-679-3535 Fax.: 949-679-3538
Email: amtide@sbcglobal.net

Engineering Controls:

Use only with adequate ventilation.

Personal Protective Equipment

Long-sleeved shirt and long pants; Chemical-resistant gloves made of any waterproof material; shoes plus sock; protective eyewear.

Section 9 - Physical and Chemical Properties

Form: Viscous liquid

Color: Yellowish to orange.

Odor: Odorless to faint sweet order

pH Value: 5.0~7.0

Melting point: c. 178.61 with a barometric pressure of 756.41mmHg

Specific Gravity: 1.28±0.02

Solubility in water: 100 mg/l at 20 °C. In n-hexane: 47 g/l at 25 °C; Completely miscible with ethanol, acetone, toluene and n-octanol at 25 °C;

Section 10 - Stability and Reactivity

Stability: Stable up to 320°C.

Incompatibility with Other Materials: None reasonably foreseeable.

Polymerization: Will not occur.

Conditions to avoid: Keep away from the incompatibility materials.

Section 11 - Toxicological Information

Acute Oral LD₅₀: 985 mg/kg for female rat

Acute Dermal LD₅₀: > 5,050 mg/kg for rabbit

Acute inhalation LC₅₀: > 2.20 mg/L (4h) for rat.

Skin irritation: Slightly irritation (rabbit), Toxicity Category IV (rabbit)

Eye irritation: Mildly irritation to eyes, Toxicity Category II (rabbit)

Sensitization: No sensitization (guinea pig).

Carcinogenic potential: Not carcinogenic (rat)

Mutagenic Potential: Not Mutagenic

Reproductive Toxicity: Not teratogenic in animal experiments

Section 12 - Ecological Information

LC₅₀ (96 h): 12.15 mg/l for rainbow trout (96h)

EC₅₀: 42.85 mg/l for daphnia magna (48h).



Address: 21 Hubble, Irvine, CA 92618, USA
Tel.: 949-679-3535 Fax.: 949-679-3538
Email: amtide@sbcglobal.net

Section 13 - Disposal Considerations

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Then dispose of liner in a sanitary landfill or by incineration if allowed by state and local authorities. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

Section 14 - Transport Information

UN No.: 3082 Environmentally hazardous substance, Liquid, n.o.s. (propiconazole)

Chemical class: 9

Package group: III

Section 15 - Regulatory Information

The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide.

OSHA hazard communication standard status: Regulated.

Hazard Categories: Acute Health.

Toxic chemicals: Propiconazole (60207-90-1)

Symbol: T

R phrases: R25/36/37

S phrases: S2/7/9/13/36/39

Section 16 - Other Information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. AmTide, LLC assumes no responsibility for results obtained or for incidental or consequential damages arising from the use of these data.