

AERCHEM INC.
400 W. 7th Street, Suite 112
Bloomington, IN 47404

Tel: 812.334.9996 Fax: 812.334.1960 Emergency: 800.424.9300

Effective Date: 01/10/96

Product Name: Pyrilamine Maleate

Chemical Formula: C₁₇ H₂₃ N₃ O. C₄ H₄ O₄

Cas No.: 59-33-6

Hazardous Ingredients: Non-Hazardous

Haz

Physical Data:

Melting point (range) Approx.: 99-103°C
Boiling point: not Known
Specific Gravity (Water=1): Not known
pH (depends on quality): 5.1 (100 g/l in water@ 20°C)
Solubility in water: 2500 g/l
Odor: Faint
Physical Form: white crystalline powder
Vapor pressure: Not known
Vapor density (air=1): Not Known
Evaporation Rate: Not known
Percent volatile(by weight): 0.5

Fire and Explosion Information:

Flash point: >370°F
(Auto) Ignition temperature: >680°F (Sandoz)
Extinguishing media to be recommended: Foam, Water, CO₂, Dry Chemical
to be avoided: N/A

Special fire and explosions precautions: Must wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.

Fire and explosions hazards: Products of combustion are toxic. This material like most oxidizable powder is capable of producing dust explosions.

Reactivity Data: Stable X Unstable

Hazardous Decomposition: Thermal decomposition may produce toxic organic vapors/fumes and oxides of carbon and nitrogen.

Polymerization: Will not occur

Conditions to avoid: None known (No exothermic reaction observed after 10 hours at 110°C)

Incompatibility: (Material to Avoid)
WATER OTHER X Acids

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Handling and Storage Information: Keep containers tightly closed until used to maintain product quality, do not store in heat or direct sunlight.

Leak/Spill Information: Caution! if wet, floors may become slippery. Wear appropriate protective gear and respiratory protection where dusts or airborne particulates of unknown concentrations may be generated (self-contained breathing apparatus preferred for large spills)
Carefully shovel spills (avoid generation dust) into appropriate containers for disposal. To remove residue, not with water, absorb with sand or vermiculite and place in compatible container for disposal. Keep out of sewers and open bodies of water.

Disposal Information: Dispose of in compliance with all Federal, state and local laws and regulations. Incineration is their preferred method.

Health Hazard Information:
A. Exposure/Health Effects

Effects of Overexposure: Sedation; dizziness; ringing in the ears; incoordination; fatigue blurred vision dryness of throat and respiratory passages; headaches; nervousness flushed skin, allergic dermatitis.

B. First Aid:

Inhalation: Remove from area to fresh air. If not breathing, clear airway and start artificial respiration. If victim is having trouble breathing, give supplemental oxygen, if available. Get immediate medical attention.

Ingestion: If swallowed, immediately give 3-4 glasses of water, and induce vomiting by placing a finger or blunt object on the back of victim's tongue. Give fluids until vomitus is clear. DO NOT induce vomiting or give anything by mouth to an unconscious or convulsing person. Get immediate medical attention.

Skin Contact: Wash with large amounts of running water for at least 15 minutes. Remove contaminated clothing and shoes. Get immediate medical attention. Wash clothing decontaminate shoes before use.

Eye Contact: Flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart to ensure rinsing to the entire surface of the eye and lids with water. Get immediate medical attention. If physician not available, flush for additional 15 minutes and transport victim to medical care.

Occupational Control Measures:

Airborne Exposure Limited:

Ventilation Systems: In processes where dusts or airborne particulates may be generated, proper ventilation must be provided in accordance with good ventilation practices.

Skin Protection: Rubber or plastic gloves, when needed to prevent contact. Protective clothing (long sleeves, coveralls, or other appropriate), when needed, to prevent skin contact.

Eye Protection: Wear chemical goggles where there is a potential for eye contact. Use safety glasses with side shields under normal use conditions.

Respiratory Protection: In processes where dusts or airborne particulates may be generated, a NIOSH/MSHA jointly approved respirator is advised in the absence of proper environmental controls

C. Toxicity Data

Oral LD50 (rat): 513 mg/kg (RTEGS)

Oral LD50 (mouse) 220 mg/kg (RTECS) : 338 mg/kg (Sandoz)

Oral LDLo (child): 42 mg/kg (RTEGS)

Subcutaneous LD50 (rat): 150 mg/kg (Sandoz)

Intraperitoneal LD50 (mouse): 102 mg/kg (Sandoz)

The lowest level (TDLo) at which reproductive effects were observed in mice at day one to 21 of gestation was 420 mg/kg (oral administration) (RTECS)