

BEGIN MSDS OHS84150

Land O Lakes LA0025

## SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MDL INFORMATION SYSTEMS, INC.  
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EMERGENCY TELEPHONE NUMBER:  
1-800-424-9300 (NORTH AMERICA)  
1-703-527-3887 (INTERNATIONAL)

SUBSTANCE: PYRANTEL TARTRATE

Banminth  
Item Numbers: 095603, 095604

## TRADE NAMES/SYNONYMS:

BANMINTH; STRONGID; PYREQUAN TARTRATE; CP 10423-18;  
1,4,5,6-TETRAHYDRO-1-METHYL-2-[(TRANS-2-(2-THIENYL)VINYL) PYRIMIDINE TARTRATE;  
PYRIMIDINE, 1,4,5,6-TETRAHYDRO-1-METHYL-2-[(2-(2-THIENYL)ETHENYL)-, (E)-,  
(R-(R\*,R\*))]-2,3-DIHYDROXYBUTANEDIOATE (1:1); PYRIMIDINE,  
1,4,5,6-TETRAHYDRO-1-METHYL-2-[(2-(2-THIENYL)VINYL)-, (E)-, TARTRATE (1:1);  
(E)-1,4,5,6-TETRAHYDRO-1-METHYL-2-[(2-(2-THIENYL)ETHENYL)-PYRIMIDINE  
(R-(R\*,R\*))]-2,3-DIHYDROXYBUTANEDIOATE (1:1);  
(E)-1,4,5,6-TETRAHYDRO-1-METHYL-2-[(2-(2-THIENYL)VINYL)-PYRIMIDINE TARTRATE  
(1:1); OHS84150; RTECS UW0249000

CHEMICAL FAMILY: esters, carboxylic, aliphatic, heterocyclic

CREATION DATE: Jan 29 1988

REVISION DATE: Dec 09 1997

## SECTION 2 COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENT: PYRANTEL TARTRATE  
CAS NUMBER: 33401-94-4  
EC NUMBER (EINECS): 251-501-8  
PERCENTAGE: 100

## SECTION 3 HAZARDS IDENTIFICATION

NFPA RATINGS (SCALE 0-4): HEALTH=2 FIRE=1 REACTIVITY=0

EC CLASSIFICATION (CALCULATED):

T Toxic

R 25

## EMERGENCY OVERVIEW:

COLOR: white

PHYSICAL FORM: crystals

MAJOR HEALTH HAZARDS: harmful if swallowed

PHYSICAL HAZARDS: Dust/air mixtures may ignite or explode.

## POTENTIAL HEALTH EFFECTS:

## INHALATION:

SHORT TERM EXPOSURE: no information is available

LONG TERM EXPOSURE: no information is available

## SKIN CONTACT:

SHORT TERM EXPOSURE: rash

LONG TERM EXPOSURE: no information is available

## EYE CONTACT:

SHORT TERM EXPOSURE: no information is available

LONG TERM EXPOSURE: no information is available  
 INGESTION:

SHORT TERM EXPOSURE: rash, nausea, vomiting, diarrhea, stomach pain,  
 headache, drowsiness, dizziness

LONG TERM EXPOSURE: no information is available

CARCINOGEN STATUS:

OSHA: N

NTP: N

IARC: N

SECTION 4 FIRST AID MEASURES

INHALATION: Remove from exposure immediately. Use a bag valve mask or similar device to perform artificial respiration (rescue breathing) if needed. Get medical attention.

SKIN CONTACT: Remove contaminated clothing, jewelry, and shoes immediately. Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15-20 minutes). Get medical attention, if needed.

EYE CONTACT: Wash eyes immediately with large amounts of water or normal saline, occasionally lifting upper and lower lids, until no evidence of chemical remains. Get medical attention immediately.

INGESTION: If vomiting occurs, keep head lower than hips to help prevent aspiration. Get medical attention, if needed.

SECTION 5 FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARDS: Slight fire hazard. Dust/air mixtures may ignite or explode.

EXTINGUISHING MEDIA: regular dry chemical, carbon dioxide, water, regular foam

Large fires: Use regular foam or flood with fine water spray.

FIRE FIGHTING: Move container from fire area if it can be done without risk. Do not scatter spilled material with high-pressure water streams. Dike for later disposal. Use extinguishing agents appropriate for surrounding fire. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

SECTION 6 ACCIDENTAL RELEASE MEASURES

OCCUPATIONAL RELEASE:

Collect spilled material in appropriate container for disposal. Keep out of water supplies and sewers. Keep unnecessary people away, isolate hazard area, and deny entry.

SECTION 7 HANDLING AND STORAGE

Store and handle in accordance with all current regulations and standards.

SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION

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**EXPOSURE LIMITS:****PYRANTEL TARTRATE:**

No occupational exposure limits established.

**VENTILATION:** Provide local exhaust or process enclosure ventilation system.  
Ensure compliance with applicable exposure limits.

**EYE PROTECTION:** Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

**CLOTHING:** Wear appropriate chemical resistant clothing.

**GLOVES:** Wear appropriate chemical resistant gloves.

**RESPIRATOR:** Under conditions of frequent use or heavy exposure, respiratory protection may be needed. Respiratory protection is ranked in order from minimum to maximum. Consider warning properties before use.  
Any supplied-air respirator with a full facepiece that is operated in a pressure-demand or other positive-pressure mode.

Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode.

For Unknown Concentrations or Immediately Dangerous to Life or Health -

Any supplied-air respirator with full facepiece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply.

Any self-contained breathing apparatus with a full facepiece.

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**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

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**PHYSICAL STATE:** solid

**COLOR:** white

**PHYSICAL FORM:** crystals

**ODOR:** Not available

**MOLECULAR WEIGHT:** 356.43

**MOLECULAR FORMULA:** C<sub>11</sub>H<sub>14</sub>N<sub>2</sub>S<sub>2</sub>O<sub>6</sub>

**BOILING POINT:** Not applicable

**MELTING POINT:** 298-302 F (148-150 C)

**VAPOR PRESSURE:** Not applicable

**VAPOR DENSITY:** Not applicable

**SPECIFIC GRAVITY:** Not available

**WATER SOLUBILITY:** soluble

**PH:** Not applicable

**VOLATILITY:** Not applicable

**ODOR THRESHOLD:** Not available

**EVAPORATION RATE:** Not applicable

**COEFFICIENT OF WATER/OIL DISTRIBUTION:** Not available

**SOLVENT SOLUBILITY:**

Soluble: Not methanol

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**SECTION 10 STABILITY AND REACTIVITY**

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**REACTIVITY:** Stable at normal temperatures and pressure.

**CONDITIONS TO AVOID:** Avoid heat, flames, sparks and other sources of ignition.  
Avoid contact with incompatible materials.

**INCOMPATIBILITIES:**

**PYRANTEL TARTRATE:**

No data available.

**HAZARDOUS DECOMPOSITION:**

Thermal decomposition products: oxides of nitrogen, sulfur

**POLYMERIZATION:** Will not polymerize.

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**SECTION 11 TOXICOLOGICAL INFORMATION**

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**PYRANTEL TARTRATE:**

**TOXICITY DATA:**

170 mg/kg oral-rat LD50; 123 mg/kg oral-mouse LD50; >25 mg/kg

subcutaneous-mouse LD50; 2220 ug/kg intravenous-mouse LD50; >200 mg/kg

unreported-cattle, horse LD; 6750 mg/kg/90 day(s) intermittent oral-dog TDLo

**ACUTE TOXICITY LEVEL:**

Toxic: Ingestion

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** liver disorders

**HEALTH EFFECTS:**

**INHALATION:**

**ACUTE EXPOSURE:**

PYRANTEL TARTRATE: No data available.

**CHRONIC EXPOSURE:**

PYRANTEL TARTRATE: No data available.

**SKIN CONTACT:**

**ACUTE EXPOSURE:**

PYRANTEL TARTRATE: No data available for skin contact. However, ingestion of pyrantel salts has resulted in a skin rash.

**CHRONIC EXPOSURE:**

PYRANTEL TARTRATE: No data available.

**EYE CONTACT:**

**ACUTE EXPOSURE:**

PYRANTEL TARTRATE: No data available.

**CHRONIC EXPOSURE:**

PYRANTEL TARTRATE: No data available.

**INGESTION:**

**ACUTE EXPOSURE:**

PYRANTEL TARTRATE: A dose of 170 mg/kg was lethal in rats. The symptoms were not reported. Adverse effects reported from insoluble pyrantel salts, used as anthelmintics, include anorexia, nausea, vomiting, gastralgia, abdominal cramps, diarrhea, tenesmus and transient elevation of SGOT. Headache, dizziness, drowsiness, insomnia and skin rash may also occur. Very large doses of a pyrantel salt produced symptoms of neuromuscular blockade in rabbits.

**CHRONIC EXPOSURE:**

PYRANTEL TARTRATE: No data available.

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**SECTION 12 ECOLOGICAL INFORMATION**

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Not available

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**SECTION 13 DISPOSAL CONSIDERATIONS**

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 Dispose in accordance with all applicable regulations.  
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SECTION 14 TRANSPORT INFORMATION  
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No classification assigned.

LAND TRANSPORT ADR/RID: No classification assigned.

AIR TRANSPORT IATA/ICAO: No classification assigned.

MARITIME TRANSPORT IMDG: No classification assigned.  
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SECTION 15 REGULATORY INFORMATION  
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U.S. REGULATIONS:

TSCA INVENTORY STATUS: N

TSCA 12(b) EXPORT NOTIFICATION: Not Listed.

CERCLA SECTION 103 (40CFR302.41): N

SARA SECTION 302 (40CFR355.30): N

SARA SECTION 304 (40CFR355.40): N

SARA SECTION 313 (40CFR372.65): N

SARA HAZARD CATEGORIES, SARA SECTIONS 311/312 (40CFR370.21):

ACUTE: Y

CHRONIC: N

FIRE: N

REACTIVE: N

SUDDEN RELEASE: N

OSHA PROCESS SAFETY (29CFR1910.119): N

STATE REGULATIONS:

California Proposition 65: N

EUROPEAN REGULATIONS:

EC NUMBER (EINECS): 251-501-6

EC RISK AND SAFETY PHRASES:

R 25 Toxic if swallowed.

S 1 Keep locked-up.

S 2 Keep out of reach of children.

S 4 Keep away from living quarters.

S 13 Keep away from food, drink and animal feeding stuffs.

W 20 When using do not eat or drink.

S 24 Avoid contact with skin.

S 35 This material and its container must be disposed of in a safe way.

S 36 Wear suitable protective clothing.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S 46 If swallowed, seek medical advice immediately and show this container or label.

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 SECTION 16 OTHER INFORMATION  
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