

MATERIAL SAFETY DATA SHEET**Agriliance, LLC**

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PRODUCT NAME(S)**For Emergency Call: 800-228-5635 or
Chem Trec: 800-424-9300****ACTELLIC 5E Insecticide****Effective Date: 06/20/02****I. IDENTIFICATION****CHEMICAL NAME OF PRIMARY COMPONENT(S):** 0-(2-Dimethylamino-6-methylpyrimidinyl) 0,0-dimethyl phosphorothioate**FORMULA:** Not applicable**MOLECULAR WEIGHT:** N/A**SYNONYMS:** Pirimiphos methyl**CAS #:** 29232-93-7**EPA Reg No.** 1381-170**II. INGREDIENTS/SUMMARY OF HAZARDS**

| INGREDIENT(S) | CAS NUMBER | OSHA HAZARD(H)/ NON-HAZARD (NH) | PERCENT |
|-------------------|------------|------------------------------------|---------|
| Pirimiphos methyl | 29232-93-7 | | 57% |
| Naphtha solvent | 64742-95-6 | | 1-10% |
| Xylenes | 1330-20-7 | | 1-5% |
| Ethyl Benzene | 100-41-4 | | 1-5% |

| | NFPA ^{1/} | HMIS ^{2/} |
|------------|--------------------|--------------------|
| HEALTH | 2 | 2 |
| FIRE | 2 | 2 |
| REACTIVITY | 0 | 0 |

1/ National Fire Protection Association Rating

2/ Hazardous Materials Identification System

(4 = Extreme/Severe 3 = High/Serious 2 = Moderate 1 = Slight 0 = Minimum)

SARA TITLE III HAZARD CLASSIFICATION

| | |
|----------------------------|-----|
| IMMEDIATE (ACUTE) HEALTH | Yes |
| DELAYED (CHRONIC) HEALTH | No |
| FIRE | No |
| SUDDEN RELEASE OF PRESSURE | No |
| REACTIVE | No |

III. PHYSICAL DATA

SPECIFIC GRAVITY: 1.035
BOILING POINT: Not Determined
FREEZING POINT: Not Determined
VAPOR PRESSURE: Not Determined
SOLUBILITY IN WATER: Emulsifiable
APPEARANCE: Straw color, liquid
ODOR: Rank

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 120° F (TCC)
FLAMMABLE LIMITS IN AIR: Not determined
AUTOIGNITION TEMPERATURE: Not determined
EXTINGUISHING MEDIA: Water fog, CO2, foam, dry chemical
UNUSUAL FIRE AND EXPLOSION HAZARDS: None know
SPECIAL FIRE FIGHTING PROCEDURES: Do not breath smoke. Wear positive pressure self-contained breathing apparatus and full protective equipment. Dike to prevent entering drains, sewers, or water courses. Evacuate people downwind from fire.

V. REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: None
MATERIALS TO AVOID: Strong acids and alkalies
HAZARDOUS DECOMPOSITION PRODUCTS:
HAZARDOUS POLYMERIZATION: Will not occur

VI. HEALTH HAZARD DATA/FIRST AID PROCEDURES**TOXICOLOGY DATA:**

Acute Oral LD₅₀ (rat): 2050 mg/kg
Acute Dermal LD₅₀ (rat): 2128 mg/kg
Acute Inhalation LC₅₀(4hr rat):
Eye Irritation (rabbit):
Dermal Irritation (rabbit):
Dermal Sensitization:

EXPOSURE LIMITS:

| CHEMICAL NAME(S) | ACGIH (TLV) | OSHA (PEL) |
|-------------------|-----------------------------|-----------------------------|
| Pirimiphos methyl | .1 mg/m ³ (skin) | .1 mg/m ³ (skin) |

CARCINOGENICITY, TERATOGENICITY, MUTAGENICITY: Not listed as a carcinogen by NRC, IARC or OSHA.

SIGNS OF POISONING: Pirimiphos-methyl is a cholinesterase inhibitor, see below.

PRIMARY ROUTES OF ENTRY: Oral, dermal, inhalation.

EFFECTS OF SINGLE OVEREXPOSURE:

Swallowing: Weakness, headache, tightness in chest, blurred vision, excessive sweating and salivation, nausea, vomiting constricted pupils, abdominal cramps.

Skin Absorption: All or some of the above symptoms and skin irritation.

Inhalation: All or some of the above symptoms.

Eyes: May cause watering of eyes and severe irritation.

EFFECTS OF REPEATED OVEREXPOSURE: Possible cholinesterase depression and kidney, liver and blood damage.

EXISTING MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE:**EMERGENCY AND FIRST AID PROCEDURES:**

Swallowing: 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.

Skin: Remove contaminated clothing. Rinse skin with plenty of water for 15-20 minutes.

Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth.

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.

NOTES TO PHYSICIAN: Inducing vomiting as first aid for this substance may result in increased risk of chemical pneumonia or pulmonary edema caused by aspiration of the hydrocarbon solvent. Vomiting should be induced only under professional supervision. Atropine is antidotal for cholinesterase inhibition. Give 2 mg. of atropine intramuscularly or subcutaneously and repeat if symptoms of poisoning reappear. Pralidoxime (2 PAM) may be given if available. Give 1 gram intramuscularly or intravenously and repeat as necessary.

VII. PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Dike the area using absorbent or materials such as sand or clay. Recover and contain as much product as possible using absorbent. Clean spill area using a solution of water and detergent. Collect and contain wash water and all contaminated absorbent for disposal. If spilled on the ground, the affected area should be excavated to a depth of 1 - 2 inches. Prevent the spilled product or washings from reaching public sewers or waterways. Wear appropriate protective equipment during the cleanup. Ensure that tools and equipment are adequately decontaminated.

WASTE DISPOSAL METHOD: Consult your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

VIII. SPECIAL PROTECTION INFORMATION

PROTECTIVE EQUIPMENT SHOULD BE USED DURING THE FOLLOWING PROCEDURES:

- Manufacture or formulation of this product.
- Repair and maintenance of contaminated equipment.
- Clean up of leaks and spills.
- Any other activity that may result in hazardous exposures
- Refer to product label for PPE required for labeled use

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirator for organic vapors when vapor concentrations are high. Use positive pressure self contained breathing apparatus for emergency conditions where exposure limits are exceeded.

VENTILATION: Local exhaust

PROTECTIVE CLOTHING: Chemical resistant gloves, coveralls, apron and foot coverings.

EYE PROTECTION: Safety goggles

USER SAFETY RECOMMENDATIONS: Safety showers and eye wash should be easily accessible.

IX. REGULATORY STATUS

TSCA INVENTORY STATUS:

TRANSPORTATION STATUS: Not regulated.

DOT INFORMATION:

| Container Capacity | Proper Shipping Name | Hazard Class | Label | Packing Group |
|--------------------|----------------------|--------------|-------|---------------|
| | | | | |

SARA TITLE III

Section 302-304 (40 CFR 350): No

Extremely Hazardous Substance (EHS): No

Section 312, Reporting (40 CFR 370):

SARA/OSHA Hazardous Chemical Reporting Quantity:

Section 313, Toxic Chemicals: Yes for Xylene

Reportable Quantity (RQ): 100 lbs. Xylene

RCRA HAZARDOUS WASTE:

International Right-To-Know Regulations:

X. REFERENCES

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH,
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