

MATERIAL SAFETY DATA SHEET

Total Solutions
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GENERAL INFORMATION NUMBER: (414) 354-6417
CHEMTREC: (800) 424-9300

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I - Product Identification

Extinct Insecticide

PRODUCT CODE: 0849

CHEMICAL FORMULATION: Water based contact and residual insecticide.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0

HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

<u>SUBSTANCE</u>	<u>APPROX</u> <u>%</u>	<u>OSHA</u> <u>PEL</u>	<u>ACGIH</u> <u>TLV</u>	<u>EPA 40 CFR:</u>			<u>CAS #</u>
				<u>302</u>	<u>355</u>	<u>372</u>	
Permethrin	0.50	N/E	N/E	N	N	Y	52645-53-1

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit
N/A: Not Applicable N/D: Not Determined N/E: Not Established
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

BOILING POINT (°F): N/D SPECIFIC GRAVITY (WATER = 1): 0.996
VAPOR PRESSURE (mm Hg): N/D VOC CONTENT (% by weight): <1.0
VAPOR DENSITY (AIR = 1): N/D EVAPORATION RATE (WATER = 1): ~1.00
SOLUBILITY IN WATER: Soluble pH: 6.0-7.0
APPEARANCE AND ODOR: Opaque white liquid; no odor.

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): > 200 (TEST METHOD): Closed cup
FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER: N/E LOWER: N/E
EXTINGUISHING MEDIA: Water, foam, carbon dioxide, dry chemical.
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should be equipped with full protective gear including self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARD: None known.

V - Reactivity Data

STABILITY: Stable

INCOMPATIBILITY: Strong oxidizers, acids and alkalies.

CONDITIONS TO AVOID: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce oxides of carbon, nitrogen oxides, Chlorine and Hydrogen Chloride.

HAZARDOUS POLYMERIZATION: Will not occur.

VI - Health Hazard Data

ROUTES OF ENTRY INHALATION: **EYE CONTACT:** X **SKIN CONTACT:** X **INGESTION:** X

INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: None

EFFECTS OF OVEREXPOSURE

IF IN EYES: May cause temporary irritation, tearing and blurred vision.

IF ON SKIN: May cause slight irritation.

IF SWALLOWED: May cause irritation to respiratory tract, stomach irritation which may result in nausea, cramps and vomiting. May cause nervous system disorders such as fatigue, dizziness, headaches, lack of coordination, tremors and unconsciousness. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

IF INHALED: Irritation to respiratory tract, nausea and nervous disorders.

EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. Remove contact lenses, if present, after the first five minutes then continue washing eye. Obtain immediate medical attention if irritation persists.

IF ON SKIN: Remove contaminated clothing and launder separately before re-use. Flush skin thoroughly with soap and water. Obtain medical attention if irritation persists.

IF SWALLOWED: Contact a physician or poison control center. Rinse mouth out with water followed by a cup of water to dilute material. Do not induce vomiting due to aspiration hazard unless instructed by a physician or poison control center. Never give anything by mouth to an unconscious person. Obtain immediate medical attention.

IF INHALED: Remove person to fresh air. Administer artificial respiration if breathing has stopped. Obtain medical attention, if irritation persists.

NOTE TO PHYSICIAN: This product poses an aspiration pneumonia hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate area. Contain spill. Soak up spilled material with inert absorbent material and place in properly labeled container for disposal.

WASTE DISPOSAL METHOD: Consult local environmental authorities.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Do not breathe vapors or mists.

VENTILATION

LOCAL: Recommended

MECHANICAL: Not required

PROTECTIVE GLOVES: Chemical resistant.

EYE PROTECTION: Safety glasses or chemical goggles.

OTHER PROTECTIVE EQUIPMENT: Protective clothing.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid contamination of water, feed or seed by storage or disposal. Keep container tightly closed when not in use.

OTHER PRECAUTIONS: Keep out of reach of children.

IX - Transportation Information (ground transportation only)

DOT ID NUMBER: None

DOT PROPER SHIPPING NAME: None

DOT CLASS: None

DOT PACKING GROUP: None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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