

MATERIAL SAFETY DATA SHEET



CHEM-TOX PERMATOX INSECTICIDE

SECTION 1 • IDENTIFICATION

IDENTITY:

CHEM-TOX PERMATOX INSECTICIDE
EPA Registration No. 45385-69 • Product Code: EC-533
ACTIVE INGREDIENT CHEMICAL NAME: Mixture; Active

Ingredient, Permethrin

CHEMICAL FAMILY: Synthetic Pyrethroid

Manufacturer's Name:

CTX/Cenol, Inc.

Address: 138 West Drive

Lodi, Ohio 44254

Prepared by: Bart Baker Date Prepared: July 16, 2008

HMIS Rating: Health: 2
Flammability: 1
Reactivity: 1
Protection: Safety Glasses &
Rubber Gloves

Emergency Telephone Number:

CHEMTREC at 1-800-424-9300 or

National Pesticide Telecommunications Network at **1-800-858-7378**

Telephone Number for Information:

9 AM to 5 PM EST - 888-281-7025

SECTION 2 HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	CAS NUMBER	PEL	STEL	<- OSHA LIMITS ->		OPTIONAL %
				CEILING	ACGIH TLV	
ACTIVE INGREDIENTS: Permethrin: ((3-Phenoxyphenyl)methyl(±)- cis,trans-3-(2,2-dichloroethyl)-2,2-dimethyl- cyclopropanecarboxylate)	52645-53-1	N/A	N/A	N/A	N/A	13.0
**INACTIVE INGREDIENTS: Aromatic Petroleum Solvents	--	100 ppm	N/A	N/A	N/A	87.0

**A proprietary mixture of solvent and surfactants

This product contains a toxic chemical or chemicals subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372. Any copies or redistribution of this MSDS must include this notice.

SECTION 3 • PHYSICAL / CHEMICAL DATA

BOILING POINT: >176° F or 80° C

SOLUBILITY IN H₂O: Miscible / Dispersible

APPEARANCE / ODOR: Clear brown liquid. Solvent odor.

MELTING POINT: N/A

EVAPORATION RATE (BUTYL ACETATE = 1): N/A

SPECIFIC GRAVITY: (Water = 1): 0.91 - 0.93

VAPOR PRESSURE: (mm hg): 15 mmHg @ 25° C

VAPOR DENSITY: Below 1

pH: Neutral 5.4 (8% in water)

SECTION 4 • FIRE & EXPLOSION HAZARD DATA

FLASH POINT: >151°-154° F / >66°-68° C METHOD USED: TCC

FLAMMABLE LIMITS: LEL: N/A UEL: N/A STP: 1.1 -7.0 (Xylene)

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or CO₂.

SPECIAL FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure demand, MSHA/NIOSH approved (or equivalent) and full protective gear. Keep out of smoke, cool exposed containers with water spray, prevent spread of contaminated runoff.

UNUSUAL FIRE & EXPLOSION HAZARDS: Keep containers cool, combustible liquid. Avoid explosive ignition. May give off Hydrogen Chloride gas upon combustion or at high temperatures

SECTION 5 • REACTIVITY DATA

CHEMICAL STABILITY: Stable.

CONDITIONS TO AVOID: Avoid extreme heat or source of ignition.

INCOMPATIBLE MATERIALS: Avoid strong oxidizing agents.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID FOR HAZARDOUS

POLYMERIZATION: None

HAZARDOUS DECOMPOSITION: Carbon dioxide, carbon monoxide oxide, sulfur oxides, halogen, halogen acids, possible trace amounts of carbonyl halide.

SECTION 6 • HEALTH HAZARD DATA

ROUTES OF ENTRY: **INHALATION?** **SKIN?** **INGESTION?**
 YES **YES** **YES**

HEALTH HAZARDS (ACUTE and CHRONIC): Acute exposure may lead to irritation of eyes and mucosa and nervous system symptoms. May cause allergic reaction in sensitive individuals.

CARCINOGENICITY: NTP? **IARC MONOGRAPH?** **OSHA REGULATED?**
 NO **NO** **NO**

SIGNS & SYMPTOMS OF EXPOSURE: May cause eye irritation on contact. Harmful if swallowed

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling and before smoking or eating.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: May aggravate allergies or asthma.

FIRST AID PROCEDURES:

EYES: Flush with plenty of water. Get prompt medical attention.

SKIN: Wash thoroughly with plenty of soap and water.

INHALATION: Remove individual to fresh air. Get medical attention if breathing difficulty develops.

INGESTION: Do NOT induce vomiting. Call a physician immediately.

SECTION 7 • PRECAUTIONS FOR SAFE HANDLING

IN CASE MATERIAL IS RELEASED OR SPILLED:

Soak up spill in absorbent material. Hold for disposal. Do not contaminate any water resource. Product is highly toxic to fish.

WASTE DISPOSAL METHOD: Dispose of in accordance with Federal, State and Local Waste Disposal Rules.

HANDLING PRECAUTIONS: Avoid unnecessary contact with material. Wash up after handling or use. Wash contaminated clothing before reuse.

SECTION 8 • CONTROL MEASURES

RESPIRATORY PROTECTION: Use a respirator, such as the Wilson 6000 Series, with an organic vapor cartridge and pesticide prefilter.

VENTILATION: Use product in well ventilated areas.

LOCAL EXHAUST: N/A **SPECIAL EXHAUST:** N/A

MECHANICAL EXHAUST: Fans as necessary. **OTHER EXHAUST:** N/A

PROTECTIVE GLOVES: Chemical resistant.

EYE PROTECTION: Safety glasses, goggles or face shield..

SKIN PROTECTION: Chemically impervious gloves and apron.

GENERAL PROTECTION: Eye wash facility and safety shower should be available.

WORK / HYGIENIC PRACTICES: Avoid eye and skin contact. Wash thoroughly after handling and before eating.

SECTION 9 SARA TITLE III SECTION 311/312 • HAZARD CLASSES

SARA Title III (Superfund Amendments & Reauthorization Act)

Section 302 (40 CFR 355) (EHS) Ingredients: Not listed.

Section 311 (40 CFR 370)

Section 312 (40 CFR 370) Threshold Planning Quantity (TPQ). The TPQ for this product, if treated as a mixture in 10,000 lbs. This product contains the following ingredient with a TPQ of less than 10,000 lbs.: None

Section 313 (40- CFR 372) Reportable Ingredients: This product contains the following ingredients subject to section 313 Reportable Ingredients: Permethrin.

CERCLA REGULATORY (40 CFR 302.4): Not listed.

SECTION 10 REGULATORY INFORMATION

TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710: This product is a pesticide and is exempt from TSCA regulation.

U.S. EPA Signal Word: **CAUTION**

***** CERCLA and SARA Regulations (40 CFR 355, 370 and 372):** This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

SECTION 11 • SHIPPING INFORMATION

U.S. DOT Reportable Quantity: None

U.S. Surface Freight Class: Insecticides, NOI, other than Poison. NMFC Item 102120

MARINE POLLUTANT No. 1: Permethrin (Severe Marine Pollutant.

THIS MATERIAL IS NOT REGULATED IN TRANSPORTATION WHEN SHIPPED VIA HIGHWAY, RAILROAD OR AIR.

For these modes, describe the materials as: Environmentally hazardous substance, liquid, NOS (Permethrin 13.3%), 9, UN3082, III NAERG Guide 171.

Manufacture makes no warranty, express or implied, other than indicated on Label and MSDS.

Customer assumes all risk of use and/or handling of this material when such use and / or handling is contrary to Label and MSDS.