

MATERIAL SAFETY DATA SHEET

CENOL 0.5% MULTI PURPOSE INSECTICIDE



SECTION 1 • IDENTIFICATION

IDENTITY:

CENOL 0.5% MULTI PURPOSE INSECTICIDE

EPA Registration No. 45385-99 • Product Code: W-650

ACTIVE INGREDIENT CHEMICAL NAME: PERMANONE

GENERAL PURPOSE AQUEOUS INSECTICIDE

CHEMICAL FAMILY: Mixture

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: 1 Slight
Flammability: 1 Slight
Reactivity: 0 Negligible
Protection: Safety Glasses &
Rubber Gloves

Emergency Telephone Number:

CHEMTREC at 1-800-424-9300 or

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

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	
Permethrin	52645-53-1	N/A	N/A	N/A	N/A	0.5

SECTION 3 • PHYSICAL / CHEMICAL DATA

BOILING POINT: (F): N/A

SOLUBILITY IN H₂O: N/AAPPEARANCE / ODOR: Milky white liquid.
Mild aromatic odor.

SPECIFIC GRAVITY: (Water = 1): 1.00 @ 20° C

VAPOR PRESSURE: (mm hg): N/A

VISCOSITY: 1.05 cst

SECTION 4 • FIRE & EXPLOSION HAZARD DATA

FLASH POINT: >100° F >93° C

METHOD USED: TCC

FLAMMABLE LIMITS: LEL: N/A

UEL: N/A

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

SPECIAL FIRE FIGHTING PROCEDURES: Warning. Flammable. Clear fire area of unprotected personnel. Cool fire exposed containers. Use self-contained breathing apparatus (pressure demand) for confined areas.

MSHA / NIOSH approved (or equivalent) and full protective gear.

UNUSUAL FIRE & EXPLOSION HAZARDS: Cool containers exposed to intense heat with water to prevent container rupture from vapor pressure build-up.

SECTION 5 • REACTIVITY DATA

CHEMICAL STABILITY: Stable.

CONDITIONS TO AVOID:

DECOMPOSITION PRODUCTS:

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 6 • HEALTH HAZARD DATA

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

SECTION 6 • HEALTH HAZARD DATA (CONT.)

HEALTH HAZARDS (ACUTE and CHRONIC): Non-irritating to eyes. May cause slight skin irritation.

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

CHRONIC(CANCER INFORMATION): A statistically significant increase in the incidence of lung and liver tumors was observed in female mice receiving diets containing 375 and 750 mg/kg/day of permethrin technical over 85 weeks.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Eye, skin and respiratory disorders.

FIRST AID PROCEDURES:

EYES: Flush with plenty of water.

SKIN: Wash with soap and water and remove contaminated clothing and shoes.

INHALATION: Fresh air and oxygen if required.

INGESTION: Do NOT induce vomiting. Get medical attention.

SECTION 7 • PRECAUTIONS FOR SAFE HANDLING

IN CASE MATERIAL IS RELEASED OR SPILLED: Keep liquid and vapor away from heat, sparks and flame. Handling equipment must be grounded to prevent sparking. Shut off source of leak if safe to do so. Dike and contain. Clean up with absorbents.

WASTE DISPOSAL METHOD: Waste material is considered hazardous under EPA-RCRA (40 CFR 261.33). Follow latest EPA or state regulations regarding proper disposal.

HANDLING AND STORAGE: Store upright at room temperature. Avoid exposure to extreme temperatures.

OTHER PRECAUTIONS: Bond and ground transfer equipment.

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

SECTION 8 • CONTROL MEASURES

RESPIRATORY PROTECTION: Air purifying respirator for organic vapors or air-supplying respirator.

VENTILATION: LOCAL EXHAUST: Yes

PROTECTIVE GLOVES: Chemical resistant.

EYE PROTECTION: Safety glasses or goggles.

OTHER PROTECTIVE EQUIPMENT: Use explosion-proof ventilation as required to control vapor concentration.

WORK / HYGIENIC PRACTICES: Explosion-proof ventilation. Air dry contaminated clothing in a well ventilated area.

SECTION 9 • SHIPPING INFORMATION

Environmentally Hazardous Substances, liquid, N.O.S. (Permethrin)

HAZARD CLASS: Environmentally Hazardous Substance

UN NUMBER: UN3082, PGIII

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

D.O.T. Hazard Classification: Not D.O.T. classified

Bill of lading Description: Chemicals, NOI

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