

MATERIAL SAFETY DATA SHEET

Sold By:



CT-511 DAIRY AEROSOL

SECTION 1 • IDENTIFICATION

IDENTITY:

CT-511 DAIRY AEROSOL

EPA Registration No. 47000-73

Product Code: A-707

ACTIVE INGREDIENT CHEMICAL NAMES:

Pyrethrin and Piperonyl butoxide technical

CHEMICAL FAMILY: Botanical Insecticide

Manufacturer's Name:

CHEM-TECH, LTD.

4515 Fleur Drive, #303

Des Moines, IA 50321

Date Prepared: July 16, 2008

HMIS Rating: Health: 1
Flammability: 3
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: 515-287-6778

SECTION 2 HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	CAS NUMBER	PEL	STEL	<-OSHA LIMITS ->		OPTIONAL %
				CEILING	ACGIH TLV	
Pyrethrin	121-29-9	Unknown	N/A	N/A	5mg/m3	0.5
Piperonyl Butoxide, Technical	51-03-6	Unknown	N/A	N/A	50mg/m3	1.0
MGK 264 (N-Octyl bicycloheptene dicarboximide)	113-48-4	Unknown	N/A	N/A	5mg/m3	1.0
1,1,1,Trichloroethane	71-55-6	350 ppm	N/A	N/A	Unknown	77.5
Hydrocarbon Propellant (Propane)	74-98-6	1000ppm	N/A	N/A	Unknown	18.0
Petroleum Oil	64742-96-7	200 ppm	N/A	N/A	Unknown	2.0

•This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

CAS No.	CHEMICAL NAME	% BY WEIGHT
51-03-6	Piperonyl Butoxide	1.0

SECTION 3 • PHYSICAL / CHEMICAL DATA

BOILING POINT: (F):Aerosol Under Pressure 60 psi

SOLUBILITY IN H₂O: Insoluble.

APPEARANCE / ODOR: Yellow to amber liquid under pressure. Chlorinated odor.

EVAPORATION RATE: (Butyl Acetate =1): >1

SPECIFIC GRAVITY: (Water = 1): 1.2

VAPOR PRESSURE: (mm hg):60 psi @70° F

VAPOR DENSITY: (Air=1): >1

MELTING POINT: N/A

SECTION 4 • FIRE & EXPLOSION HAZARD DATA

FLASH POINT: (Method Used): <20° F TOC - Flammable (CSMA)

FLAMMABLE LIMITS: NE = Not Established

LEL: NE

UEL: NE

EXTINGUISHING MEDIA: CO₂, dry chemicals or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: If material or containers are engulfed in flame they may burst or explode and become projectiles.

UNUSUAL FIRE & EXPLOSION HAZARDS: Cans may burst when engulfed in flame and may become projectiles.

SECTION 5 • REACTIVITY DATA

CHEMICAL STABILITY: Stable.

CONDITIONS TO AVOID:High heat over 130° F.

INCOMPATIBILITY (Materials to avoid): Heat in excess of 130° F.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon Monoxide, inorganic acids, halon acid fumes.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 6 • HEALTH HAZARD DATA

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

HEALTH HAZARDS (ACUTE and CHRONIC): Vapors can replace oxygen and air needed for breathing. Tearing, shortness of breathing, sneezing, drying of skin may occur if frequent contact with liquid.

CARCINOGENICITY: **NTP?** **IARC MONOGRAPH?** **OSHA REGULATED?**
NOT KNOWN TO BE CARCINOGENS

SIGNS & SYMPTOMS OF EXPOSURE: Vapors can replace oxygen and air needed for breathing. Tearing, shortness of breathing, sneezing, drying of skin may occur if frequent contact with liquid.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Not known but possible aggravation if person has pre-existing respiratory problems.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush with plenty of water for 15 minutes.

SKIN: Wash with soap and water .

INHALATION: Remove to fresh air and respire.

INGESTION: Do NOT induce vomiting. CONTACT PHYSICIAN.

SECTION 7 • PRECAUTIONS FOR SAFE HANDLING

IN CASE MATERIAL IS RELEASED OR SPILLED: Keep people away. Contain spill. Wear protective clothing. Soak up with absorbent material and put into containers.

WASTE DISPOSAL METHOD: Read label and dispose of in accordance with Local, State and Federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in original container in a cool dry, secure area.

READ LABEL. KEEP OUT OF REACH OF CHILDREN.

OTHER PRECAUTIONS: **ALWAYS READ LABEL CAREFULLY.**

SECTION 8 • CONTROL MEASURES

RESPIRATORY PROTECTION (Specify Type): Organic vapor cartridge mask approved by NIOSH and MSHA.

VENTILATION:

LOCAL EXHAUST: Yes

OTHER: None.

MECHANICAL (General): Yes.

SPECIAL: None.

PROTECTIVE GLOVES: Rubber.

EYE PROTECTION: Goggles or full face shield.

OTHER PROTECTIVE EQUIPMENT: Impervious to all products, apron, coveralls, shoes, gloves, cap.

WORK / HYGIENIC PRACTICES: Wash hands before eating or smoking.

SECTION 9 • SHIPPING INFORMATION

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

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: Combustible Liquid

Bill of lading Description: Chemicals, NOI

All information contained in this Material Safety Data Sheet is furnished free of charge and is intended for your evaluation. In our opinion the information is, as of the date of this Material Safety Data Sheet, reliable, however, it is your responsibility to determine the suitability of the information for your use. You are advised not to construe the information as absolutely complete since additional information may be necessary or desirable when particular, exceptional or variable conditions or circumstances exist or because of applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information gathered by you and you must make independent determinations of the suitability and completeness of the information from all source to assure both proper use of the material described herein and the safety and health of employees. Accordingly, no guarantee expressed, or implied is made by CTX Cenol Inc. as to the results to be obtained based upon your use of the information nor does CTX Cenol Inc. assume any liability arising out of your use of the information.