

# MATERIAL SAFETY DATA SHEET

Sold By:



## CHEM-TECH TOTAL RELEASE FOGGER

### SECTION 1 • IDENTIFICATION

**IDENTITY:**

**CHEM-TECH TOTAL RELEASE INSECT FOGGER**

**EPA Registration No. 47000-98-45385**

**Product Code: A-703**

**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	8003-34-7	5mg/m3	N/A	N/A	Unknown	0.5
Piperonyl Butoxide*	51-03-6	50mg/m3	N/A	N/A	Unknown	1.0
MGK 264	113-48-4	5mg/m3	N/A	N/A	Unknown	1.0
Petroleum Distillate	64742-47-8	Unknown	N/A	N/A	Unknown	5-15
Hydrocarbon Propellant	74-98-6	1000ppm	N/A	N/A	N/A	35
Non Hazardous Components		N/A	N/A	N/A	N/A	47.5 - 57.5

\*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 50 psi

**SOLUBILITY IN H<sub>2</sub>O:** Partially miscible in Water

**APPEARANCE / ODOR:** Amber color, slight Petroleum Distillate smell.  
Mineral Spirits odor.

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

**SPECIFIC GRAVITY:** (Water = 1): 0.872 at 20° C

**VAPOR PRESSURE:** (mm hg): 50 psi

**VAPOR DENSITY:** (Air=1): >1

**MELTING POINT:** N/A

### SECTION 4 • FIRE & EXPLOSION HAZARD DATA

**FLASH POINT:** (Method Used): Not applicable. This aerosol is classified as highly flammable.

**FLAMMABLE LIMITS:** NE = Not Established

LEL: NE

UEL: NE

**EXTINGUISHING MEDIA:** CO<sub>2</sub>, 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. 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. Do not use unless pilot lights or any open flames are extinguished.

## 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

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