

MATERIAL SAFETY DATA SHEET

Section 1: Product & Company Identification

Product Name: CRC® Flying & Crawling Insect Killer
Product Number (s): 14019

Manufactured By: CRC Industries, Inc. (215) 674-4300
885 Louis Drive, Warminster, PA 18974
24-Hour Emergency Information: CHEMTREC (800) 424-9300

Section 2: Composition/Information on Ingredients

Component	CAS NUMBER	ACGIH TLV	OSHA PEL	OTHER LIMITS	%
Tetramethrin	7696-12-0	NE	NE	NE	< 1
Permethrin	52645-53-1	NE	NE	NE	< 1
Piperonyl Butoxide	51-03-6	NE	NE	NE	< 1
Petroleum Distillate	8002-05-96	NE	NE	300 ppm	<10
Isobutane	75-28-5	800 ppm	800 ppm	NE	<10
Propane	74-98-6	1000 ppm	1000 ppm	NE	<10
Water	7732-18-5	NE	NE	NE	70

Section 3: Hazards Identification

Emergency Overview

Appearance & Odor: White cloudy emulsion with mild petroleum liquid odor.
Caution: Contents Under Pressure

Potential Health Effects:

Inhalation: Headaches, nausea, dizziness, fatigue, lack of coordination, tremors, unconsciousness, and breathing problems.
Eyes: Tearing & blurred vision
Skin: Reddening
Ingestion: NA

Carcinogenicity: OSHA: No IARC: No NTP: No
Chronic Overexposure: Dermatitis.
Medical Conditions Aggravated by Exposure: NA

Section 4: First Aid Measures

Inhalation: Remove to fresh air. Give artificial respiration if necessary.
Eyes: Flush with large amounts of water for 15 minutes.
Skin: Remove contaminated clothing and wash area with soap and water.

Ingestion: Call a physician. Do not induce vomiting.

Section 5: Fire-Fighting Measures

Flashpoint: 105°F Method: TOC LEL: NA UEL: NA
 Extinguishing Media: Water, water fog, dry chemical, CO2
 Hazardous Combustion Products: CO₂ and carbon monoxide (fire)
 Fire-fighting Instructions: Remove containers from fire area if possible. Use self-contained breathing apparatus for fire fighting. Aerosol cans may explode if heated above 120°F.

NFPA: Health: 2 Flammability: 2 Reactivity: 0
 HMIS: Health: 2 Flammability: 2 Reactivity: 0 PPE: B

Section 6: Accidental Release Measures

Spill/Leak Procedures: Usually not a problem with aerosols. Area should be ventilated. Absorbent should be used to pick up excess material. All used and unused product should be disposed of in accordance with federal, state and local regulations.

Section 7: Handling and Storage

Handling Procedures: Store in a cool, dry area. Aerosol cans must be maintained below 120°F to prevent cans from exploding.

Aerosol Level: I

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Adequate to prevent accumulation of vapors. Use mechanical means if necessary to maintain levels below the exposure limits. If working in a confined space, follow applicable OSHA regulations.

Respiratory: Use NIOSH/MSHA compliant respirators or self-contained breathing apparatus above exposure limits. Follow OSHA regulations 29 CFR 1910.134.

Protective Clothing/Equipment: Wear chemically protective gloves and safety glasses. Use a splash apron and boots if splashing occurs.

Section 9: Physical & Chemical Properties

Physical State:	Liquid	Appearance & Odor:	White cloudy emulsion w/ mild petroleum odor.
Specific Gravity:	0.96	Boiling Point:	180°F (initial)
Freezing Point:	ND	Vapor Pressure @ 70°F:	46 psig
Evaporation Rate:	<1 (Butyl Acetate=1)	Vapor Density (air = 1)	> 1
pH:	NA	Solubility:	Miscible
Volatile Organic Compounds %:	30	g/L: NA	lbs./gal: NA

Section 10: Stability and Reactivity

Stability:	Stable	Hazardous Polymerization:	No
Chemical Incompatibilities:	Strong oxidizers and alkalies		
Materials to Avoid:	Strong oxidizing agents and alkalies; high temperatures		
Hazardous Decomposition Products:	CO2 and CO		

Section 11: Toxicological Information

Long-term toxicological studies have not been conducted for this product. See Section 3 of this MSDS for acute symptoms of overexposure and carcinogenicity information.

Section 12: Ecological Information

Ecotoxicity:	No data available.
Environmental Fate:	No data available for biodegradation.

Section 13: Disposal Considerations

Disposal: This material if discarded may be hazardous waste under U.S. EPA RCRA regulations. All disposal activities must comply with federal, state and local regulations. Contact your local or state environmental agency for specific rules. Do not dump into sewers, on the ground or into any body of water.

Section 14: Transportation Information

Shipping Name:	Consumer Commodity		
Hazard Class:	ORM-D	UN Number:	NA
Label:	NA	Placard:	NA
Special Provisions:	NA		
		Packing Group:	NA

Section 15: Regulatory Information

TSCA:	All components are either listed under TSCA or are exempt.		
SARA Title III:	Section 311/312:	Acute, Pressure	Section 313*: Tetramethrin, Permethrin and Piperonyl Butoxide
CERCLA/Superfund (RQ):	NA		
Extremely Hazardous Substances:	No		
California Prop 65:	No		

* See section 2 for percentage

Section 16: Additional Information

Prepared By:	Adam M. Selisker	Date:	April 9, 2002
Technical Information:	(800) 521-3168	CRC #:	OP

This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label.

Product Name: CRC® Flying & Crawling Insect Killer**Product Number (s): 14019**

CAS: Chemical Abstract Service
ppm: Parts per Million
TCC: Tag Closed Cup
LEL: Lower Explosive Limit
UEL: Upper Explosive Limit
PPE: Personal Protection Equipment
COC: Cleveland Closed Cup

NA: Not Applicable
ND: Not Determined
NE: Not Established
g/L: grams per Liter
lbs./gal: pounds per gallon
RQ: Reportable Quantity
PMCC: Penske-Martin Closed Cup