



# MATERIAL SAFETY DATA SHEET

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## Section 1: Product & Company Identification

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**Product Name:** Bee Blast® Wasp & Hornet Killer w/Residual

**Product Number (s):** 14009

**Product Use:** Wasp and hornet insecticide

### Manufacturer / Supplier Contact Information:

In United States:

CRC Industries, Inc.

885 Louis Drive

Warminster, PA 18974

[www.crcindustries.com](http://www.crcindustries.com)

1-215-674-4300 (General)

(800) 521-3168 (Technical)

(800) 272-4620 (Customer Service)

In Canada:

CRC Canada Co.

2-1246 Lorimar Drive

Mississauga, Ontario L5S 1R2

[www.crc-canada.ca](http://www.crc-canada.ca)

1-905-670-2291

In Mexico:

CRC Industries Mexico

Av. Benito Juárez 4055 G

Colonia Orquídea

San Luís Potosí, SLP CP 78394

[www.crc-mexico.com](http://www.crc-mexico.com)

52-444-824-1666

24-Hr Emergency – CHEMTREC: (800) 424-9300 or (703) 527-3887

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## Section 2: Hazards Identification

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### Emergency Overview

**CAUTION:** Harmful or Fatal if Swallowed. Eye Irritant. Contents Under Pressure.  
Appearance & Odor: Clear liquid, petroleum odor

### Potential Health Effects:

**ACUTE EFFECTS:**

**EYE:** May cause moderate eye irritation.

**SKIN:** Repeated and prolonged contact can cause redness, irritation, and scaling of the skin (dermatitis).

**INHALATION:** May cause respiratory irritation. Overexposure to vapors may lead to central nervous system effects such as headache and drowsiness, followed by dizziness and nausea.

**INGESTION:** May cause gastrointestinal discomfort or irritation of the throat. Aspiration of this material into the lungs, either while swallowing or vomiting, may lead to chemical pneumonitis, which could be fatal. Signs of lung involvement include increased respiratory rate, increased heart rate, and a bluish discoloration of the skin.

**CHRONIC EFFECTS:** Repeated skin contact may cause contact dermatitis.

**TARGET ORGANS:** Central nervous system

**Medical Conditions Aggravated by Exposure:** pre-existing skin conditions

See Section 11 for toxicology and carcinogenicity information on product ingredients.

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## Section 3: Composition/Information on Ingredients

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COMPONENT	CAS NUMBER	% by Wt.
Hydrotreated light distillate	64742-47-8	95 - 100
Piperonyl butoxide	51-03-6	0.50
Permethrin	52645-53-1	0.25
Tetramethrin	7696-12-0	0.10
Carbon dioxide	124-38-9	1 - 5

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## Section 4: First Aid Measures

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Eye Contact: Immediately flush with plenty of water for 15 minutes. Call a physician if irritation persists.

Skin Contact: Remove contaminated clothing and wash affected area with soap and water. Call a physician if irritation persists. Wash contaminated clothing prior to re-use.

Inhalation: Remove person to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Call a physician.

Ingestion: Do NOT induce vomiting due to aspiration hazard. If vomiting occurs, lower head below knees to avoid aspiration. Seek immediate medical attention.

*Note to Physicians:* Treat symptomatically.

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## Section 5: Fire-Fighting Measures

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**Flammable Properties:** This product is not flammable in accordance with aerosol flammability definitions. (See 16 CFR 1500.3(c)(6) ). This product does not exhibit a flame extension or a flashback.

Flash Point:	178°F / 81°C (TCC)	Upper Explosive Limit:	5.0
Autoignition Temperature:	ND	Lower Explosive Limit:	0.7

### **Fire and Explosion Data:**

Suitable Extinguishing Media: Use extinguishers appropriate for a Class B fire.

Products of Combustion: Oxides of carbon

Explosion Hazards: Aerosol containers, when exposed to heat from fire, may build pressure and explode.

Protection of Fire-Fighters: Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

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## Section 6: Accidental Release Measures

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Personal Precautions: Use personal protection recommended in Section 8.

Environmental Precautions: Take precautions to prevent contamination of ground and surface waters. Do not flush into sewers or storm drains.

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Methods for Containment & Clean-up: Dike area to contain spill. Ventilate the area with fresh air. If in confined space or limited air circulation area, clean-up workers should wear appropriate respiratory protection. Recover or absorb spilled material using an absorbent designed for chemical spills. Place used absorbents into proper waste containers.

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## Section 7: Handling and Storage

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Handling Procedures: Avoid breathing vapors. Use outside or with adequate ventilation. Avoid contact with eyes, skin and clothing. Do not use near sparks, open flames or other sources of ignition. Use caution around energized equipment. The metal container will conduct electricity if it contacts a live source. This may result in injury to the user from electrical shock and/or flash fire. For product use instructions, please see the product label.

Storage Procedures: Store in a cool dry area out of direct sunlight. Aerosol cans must be maintained below 120°F / 49°C to prevent cans from rupturing.

Aerosol Storage Level: III

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## Section 8: Exposure Controls/Personal Protection

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### Exposure Guidelines:

COMPONENT	OSHA		ACGIH		OTHER		UNIT
	TWA	STEL	TWA	STEL	TWA	SOURCE	
Hydrotreated light distillate	NE	NE	NE	NE	NE		
Piperonyl butoxide	NE	NE	NE	NE	NE		
Permethrin	NE	NE	NE	NE	NE		
Tetramethrin	NE	NE	NE	NE	NE		
Carbon dioxide	5000	NE	5000	30000	NE		ppm
N.E. – Not Established      (c) – ceiling      (s) – skin      (v) – vacated							

### Controls and Protection:

Engineering Controls: Area should have ventilation to provide fresh air. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at the source, preventing dispersion into the general work area. Use mechanical means if necessary to maintain vapor levels below the exposure guidelines. If working in a confined space, follow applicable OSHA regulations.

Respiratory Protection: None required for normal work where adequate ventilation is provided. If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with organic vapor cartridge. Air monitoring is needed to determine actual employee exposure levels. Use a self-contained breathing apparatus in confined spaces and for emergencies.

Eye/face Protection: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

Skin Protection: Use protective gloves such as neoprene or nitrile. Also, use full protective clothing if there is prolonged or repeated contact of liquid with skin.

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## Section 9: Physical and Chemical Properties

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Physical State: liquid

Color: clear

Odor: petroleum

Odor Threshold: ND

Specific Gravity: 0.791

Initial Boiling Point: 380°F / 193°C

Freezing Point: ND

Vapor Pressure: ND

Vapor Density: > 2 (air = 1)

Evaporation Rate: slow

Solubility: negligible in water

Coefficient of water/oil distribution: ND

pH: NA

Volatile Organic Compounds: wt %: 33.8 g/L: 267.4 lbs./gal: 2.23

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## Section 10: Stability and Reactivity

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Stability: Stable

Conditions to Avoid: Temperature extremes; sources of ignition

Incompatible Materials: Strong acids, bases and oxidizers

Hazardous Decomposition Products: Oxides of carbon

Possibility of Hazardous Reactions: No

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## Section 11: Toxicological Information

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Long-term toxicological studies have not been conducted for this product. The following information is available for components of this product.

### Acute Toxicity:

<u>Component</u>	<u>Oral LD50 (rat)</u>	<u>Dermal LD50 (rabbit)</u>	<u>Inhalation LC50 (rat)</u>
Hydrotreated light distillate	> 5 g/kg	> 2 g/kg	> 5 mg/L/4H
Piperonyl butoxide	6150 mg/kg	200 mg/kg	No data
Permethrin	383 mg/kg	> 2 g/kg	485 mg/m <sup>3</sup>
Tetramethrin	4640 mg/kg	No data	>2500 mg/m <sup>3</sup> /3H
Carbon dioxide	No data	No data	470,000 ppm/30M

### Chronic Toxicity:

<u>Component</u>	<u>OSHA Carcinogen</u>	<u>IARC Carcinogen</u>	<u>NTP Carcinogen</u>	<u>Irritant</u> E (mild) / S (moderate)	<u>Sensitizer</u>
Hydrotreated light distillate	No	No	No		Unknown
Piperonyl butoxide	No	No	No	No data	Unknown
Permethrin	No	No	No	S (mild)	Unknown
Tetramethrin	No	No	No	E (mild)	Unknown
Carbon dioxide	No	No	No	No	No

E – Eye	S – Skin	R - Respiratory
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<u>Reproductive Toxicity:</u>	No information available
<u>Teratogenicity:</u>	No information available
<u>Mutagenicity:</u>	No information available
<u>Synergistic Effects:</u>	No information available

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## Section 12: Ecological Information

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Ecological studies have not been conducted for this product. The following information is available for components of this product.

Ecotoxicity:	Permethrin -- 96 Hr LC50 fathead minnow: 0.016 mg/L (flow-through) Piperonyl butoxide -- 96 Hr LC50 rainbow trout (0.6 g): 0.0034 mg/L
Persistence / Degradability:	No information available
Bioaccumulation / Accumulation:	No information available
Mobility in Environment:	No information available

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## Section 13: Disposal Considerations

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**Waste Classification:** The dispensed liquid product is not a RCRA hazardous waste. Full or partial full containers should be punctured and drained. Empty containers may be recycled or discarded. Contact your state or local regulatory agency for more details.

All disposal activities must comply with federal, state, provincial and local regulations. Local regulations may be more stringent than state, provincial or national requirements.

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## Section 14: Transport Information

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US DOT (ground):	Consumer Commodity, ORM-D
ICAO/IATA (air):	Consumer Commodity, ID8000, 9
IMO/IMDG (water):	Aerosols, UN1950, 2.1, Limited Quantity
Special Provisions:	None

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## Section 15: Regulatory Information

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### **U.S. Federal Regulations:**

#### **Toxic Substances Control Act (TSCA):**

All ingredients are either listed on the TSCA inventory or are exempt.

#### **Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):**

Reportable Quantities (RQ's) exist for the following ingredients: None

**Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.**

#### **Superfund Amendments Reauthorization Act (SARA) Title III:**

Section 302 Extremely Hazardous Substances (EHS): None

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Section 311/312 Hazard Categories:	Fire Hazard	Yes
	Reactive Hazard	No
	Release of Pressure	Yes
	Acute Health Hazard	Yes
	Chronic Health Hazard	No

Section 313 Toxic Chemicals: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:  
Tetramethrin (0.10%), Permethrin (0.25%), Piperonyl butoxide (0.50%)

Clean Air Act:

Section 112 Hazardous Air Pollutants (HAPs): None

Occupational Safety and Health Administration:

This product is regulated by the Hazard Communications Standard.

**U.S. State Regulations:**

California Safe Drinking Water and Toxic Enforcement Act (Prop 65):

This product may contain the following chemicals known to the state of California to cause cancer, birth defects or other reproductive harm: None

Consumer Products VOC Regulations: In states with consumer products VOC regulations, this product is compliant as a Wasp & Hornet Insecticide.

State Right to Know:

New Jersey: 7696-12-0, 52645-53-1, 51-03-6  
Pennsylvania: None  
Massachusetts: 52645-53-1  
Rhode Island : None

**Canadian Regulations:**

Controlled Products Regulations:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS Hazard Class: A, D1A, D1B, D2B

Canadian DSL Inventory: All ingredients are either listed on the DSL Inventory or are exempt.

**European Union Regulations:**

RoHS Compliance: This product is compliant with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003. This product does not contain any of the restricted substances as listed in Article 4(1) of the RoHS Directive.

**Additional Regulatory Information:** EPA (FIFRA) Registration # 55809-4. This product is registered in all 50 United States and Puerto Rico. Bee Blast® Wasp & Hornet Killer with Residual is not registered outside of the United States and Puerto Rico.

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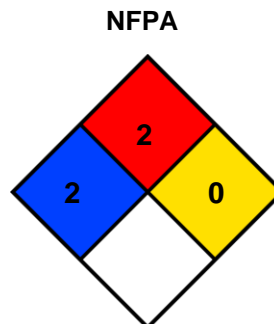
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## Section 16: Other Information

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HMIS® (II)	
Health:	2
Flammability:	2
Reactivity:	0
PPE:	B



Ratings range from 0 (no hazard) to 4 (severe hazard)

Prepared By: Michelle Rudnick

CRC #: 431H

Revision Date: 09/29/2011

Changes since last revision: MSDS reformatted to meet the requirements of the Canadian Controlled Products Regulations.

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. 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. For further clarification of any information contained on this MSDS consult your supervisor, a health & safety professional, or CRC Industries.

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstract Service

CFR: Code of Federal Regulations

DOT: Department of Transportation

DSL: Domestic Substance List

g/L: grams per Liter

HMIS: Hazardous Materials Identification System

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

IMDG: International Maritime Dangerous Goods

IMO: International Maritime Organization

lbs./gal: pounds per gallon

LC: Lethal Concentration

LD: Lethal Dose

NA: Not Applicable

ND: Not Determined

NIOSH: National Institute of Occupational Safety & Health

NFPA: National Fire Protection Association

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

PMCC: Pensky-Martens Closed Cup

PPE: Personal Protection Equipment

ppm: Parts per Million

RoHS: Restriction of Hazardous Substances

STEL: Short Term Exposure Limit

TCC: Tag Closed Cup

TWA: Time Weighted Average

WHMIS: Workplace Hazardous Materials Information System