# CRO

# SAFETY DATA SHEET

# 1. Identification

Product identifier Bug Blast™ Wasp and Hornet Killer - 396 g

Other means of identification

Product Code No. 72010 (Item# 1006112)

Recommended use Wasp and hornet insecticide

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufactured or sold by:

Company nameCRC Canada Co.Address83 Galaxy Blvd

Unit 35 - 37

Toronto, ON M9W 5X6

Canada

Telephone

**General Information** 416-847-7750

24-Hour Emergency

800-424-9300 (Canada)

(CHEMTREC)

Website www.crc-canada.ca

E-mail Support.CA@crcindustries.com

#### 2. Hazard identification

Physical hazards Flammable aerosols Category 1

Gases under pressure Compressed gas

Health hazardsAspiration hazardCategory 1Environmental hazardsHazardous to the aquatic environment, acuteCategory 2

hazard

Hazardous to the aquatic environment,

long-term hazard

Category 2

#### Label elements



Signal word Danger

Hazard statement Extremely flammable aerosol. Contains gas under pressure; may explode if heated. May be fatal if

swallowed and enters airways. Toxic to aquatic life with long lasting effects.

**Precautionary statement** 

**Prevention** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.

Avoid release to the environment.

Response IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. Collect

spillage.

Storage Store locked up. Protect from sunlight. Store in a well-ventilated place. Do not expose to

temperatures exceeding 50°C/122°F.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards None known.

Supplemental information None.

## 3. Composition/information on ingredients

#### **Mixtures**

Chemical name	Common name and synonyms	CAS number	%
distillates (petroleum), hydrotreated light		64742-47-8	80 - 100
carbon dioxide		124-38-9	1 - 5
d-phenothrin		26002-80-2	0.1 - 1
tetramethrin		7696-12-0	0.1 - 1

The exact percentage (concentration) of composition has been withheld as a trade secret.

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

#### 4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

**Skin contact** Wash off with soap and water. If skin irritation occurs: Get medical advice/attention.

**Eye contact** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Ingestion** Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If

vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Most important symptoms/effects, acute and

delayed Indication of immediate

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

Aspiration may cause pulmonary edema and pneumonitis. Headache. Nausea, vomiting. Diarrhea.

medical attention and special treatment needed

**General information** 

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## 5. Fire-fighting measures

Suitable extinguishing media Unsuitable extinguishing media Water fog. Alcohol resistant foam. Dry chemical powder. Dry chemicals. Carbon dioxide (CO2).

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

Contents under pressure. Pressurized container may rupture when exposed to heat or flame. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Fire fighting equipment/instructions

In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials. In the event of fire and/or explosion do not breathe fumes.

General fire hazards

Extremely flammable aerosol. Contents under pressure. Pressurized container may rupture when exposed to heat or flame.

#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

#### Methods and materials for containment and cleaning up

Stop leak if you can do so without risk. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. This product is miscible in water. Prevent entry into waterways, sewer, basements or confined areas. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

## **Environmental precautions**

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

#### Precautions for safe handling

Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

#### Conditions for safe storage, including any incompatibilities

Level 3 Aerosol.

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

#### Occupational exposure limits

116	ACCIL	Throchold	I imit Values	

Components	Туре	Value	
carbon dioxide (CAS 124-38-9)	STEL	30000 ppm	
	TWA	5000 ppm	

#### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Туре	Value	Form
carbon dioxide (CAS 124-38-9)	STEL	54000 mg/m3	
		30000 ppm	
	TWA	9000 mg/m3	
		5000 ppm	
distillates (petroleum), hydrotreated light (CAS 64742-47-8)	TWA	200 mg/m3	Vapor.

#### Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Туре	Value	Form
carbon dioxide (CAS 124-38-9)	STEL	15000 ppm	
	TWA	5000 ppm	
distillates (petroleum), hydrotreated light (CAS 64742-47-8)	TWA	200 mg/m3	Non-aerosol.

# ada Manitoha OELs (Pog. 217/2006, The Workplace Safety And Health Act)

Components	Type	Value	
carbon dioxide (CAS 124-38-9)	STEL	30000 ppm	
	TWA	5000 ppm	

Material name: Bug Blast™ Wasp and Hornet Killer - 396 g

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Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Type carbon dioxide (CAS STEL 30000 ppm 124-38-9)

**TWA** mag 0003

Value

Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)

Components **Type** Value carbon dioxide (CAS **STEL** 54000 mg/m3 124-38-9) 30000 ppm **TWA** 9000 mg/m3 5000 ppm

Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)

Components Value **Form** Type carbon dioxide (CAS 15 minute 30000 ppm 124-38-9) 8 hour 5000 ppm distillates (petroleum), 15 minute 250 mg/m3 Vapor. hydrotreated light (CAS 64742-47-8) 8 hour 200 mg/m3 Vapor.

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Exposure guidelines** 

Components

Canada - Alberta OELs: Skin designation

distillates (petroleum), hydrotreated light Can be absorbed through the skin.

(CAS 64742-47-8)

Canada - British Columbia OELs: Skin designation

distillates (petroleum), hydrotreated light Can be absorbed through the skin.

(CAS 64742-47-8)

Canada - Saskatchewan OELs: Skin designation

distillates (petroleum), hydrotreated light Can be absorbed through the skin.

(CAS 64742-47-8)

Appropriate engineering

controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Wear protective gloves such as: Neoprene. Nitrile. Hand protection Wear appropriate chemical resistant clothing. Other

If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a Respiratory protection

NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained

breathing apparatus in confined spaces and for emergencies.

Wear appropriate thermal protective clothing, when necessary. Thermal hazards

General hygiene When using do not smoke. Always observe good personal hygiene measures, such as washing considerations

after handling the material and before eating, drinking, and/or smoking. Routinely wash work

clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

**Appearance** 

Liquid. **Physical state** Aerosol. **Form** Clear. Color Odor Petroleum.

Material name: Bug Blast™ Wasp and Hornet Killer - 396 g

SDS CANADA

Odor threshold Not available.
pH Not available.

Melting point/freezing point  $-56.2 \, ^{\circ}\text{F} \, (-49 \, ^{\circ}\text{C})$  estimated Initial boiling point and boiling  $430 \, ^{\circ}\text{F} \, (221.1 \, ^{\circ}\text{C})$  estimated

range

Flash point 205 °F (96.1 °C) Pensky-Martens Closed Cup

Evaporation rate Slow.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower 0.5 % estimated

(%)

Flammability limit - upper

(%)

5.5 % estimated

Vapor pressure 1649.1 hPa estimated

Vapor density > 2 (air = 1)

Relative density 0.82 estimated

Solubility(ies)

Solubility (water) Negligible.

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature 428 °F (220 °C) estimated

**Decomposition temperature** Not available. **Viscosity** Not available.

Other information

Percent volatile 95.9 % estimated

## 10. Stability and reactivity

**Reactivity**The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability** Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

**Conditions to avoid** Heat. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

**Incompatible materials** Strong oxidizing agents.

Hazardous decomposition

products

Carbon oxides. Nitrogen oxides (NOx). Hydrocarbons.

## 11. Toxicological information

#### Information on likely routes of exposure

**Inhalation** Prolonged inhalation may be harmful.

**Skin contact** Prolonged skin contact may cause temporary irritation. **Eye contact** Direct contact with eyes may cause temporary irritation.

**Ingestion** Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious

chemical pneumonia.

Symptoms related to the physical, chemical and

Aspiration may cause pulmonary edema and pneumonitis. Headache. Nausea, vomiting.

Diarrhea.

toxicological characteristics

#### Information on toxicological effects

**Acute toxicity** May be fatal if swallowed and enters airways.

Components Species Test Results

distillates (petroleum), hydrotreated light (CAS 64742-47-8)

<u>Acute</u> Dermal

LD50 Rat > 2000 mg/kg

Components	Species	Test Results
Oral		
LD50	Rat	> 5000 mg/kg, 2.5 hours
d-phenothrin (CAS 26002-80	0-2)	
<u>Acute</u>		
Dermal		
LD50	Rat	> 2000 mg/kg
Inhalation		
LC50	Rat	> 3.76 mg/l, 4 Hours
Oral		
LD50	Rat	> 500 mg/kg
tetramethrin (CAS 7696-12-0	0)	
<u>Acute</u>		
Dermal		
LD50	Rabbit	> 2000 mg/kg
Inhalation		
LC50	Rat	> 2.74 mg/l, 3 Hours
Oral		
LD50	Rat	> 5000 mg/kg

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

Skin corrosion/irritationProlonged skin contact may cause temporary irritation.Serious eye damage/eyeDirect contact with eyes may cause temporary irritation.

irritation

Respiratory or skin sensitization

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity**No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**Reproductive toxicity**This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

**Aspiration hazard** May be fatal if swallowed and enters airways.

**Chronic effects** Prolonged inhalation may be harmful.

## 12. Ecological information

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

Components		Species	Test Results
distillates (petroleum),	hydrotreated light	(CAS 64742-47-8)	
Aquatic			
Acute			
Crustacea	EC50	Water flea (Daphnia magna)	> 1000 mg/l, 48 hours
Fish	LC50	Rainbow trout, donaldson trout (Oncorhynchus mykiss)	> 1000 mg/l, 96 hours
tetramethrin (CAS 769	96-12-0)		
Aquatic			
Acute			
Crustacea	EC50	Water flea (Daphnia magna)	0.11 mg/l, 48 hours

**Test Results** Components **Species** 

LC50 Rainbow trout, donaldson trout Fish 0.0037 mg/l, 96 hours

(Oncorhynchus mykiss)

#### Persistence and degradability

#### Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

tetramethrin 4.58

Mobility in soil No data available.

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation Other adverse effects

potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

Contents under pressure. Do not puncture, incinerate or crush. Empty container can be recycled. **Disposal instructions** 

Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of

contents/container in accordance with local/regional/national regulations.

Dispose in accordance with all applicable regulations. Local disposal regulations

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

### 14. Transport information

**TDG** 

**UN** number UN1950

**UN** proper shipping name AEROSOLS, flammable, Limited Quantity

Transport hazard class(es)

**Class** 2.1 Subsidiary risk

Packing group Not applicable.

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

80, 107 Special provisions

**IATA** 

**UN number** UN1950

UN proper shipping name Transport hazard class(es)

Aerosols, flammable, Limited Quantity

Class 2.1 Subsidiary risk

Packing group Not applicable.

**ERG Code** 

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo

aircraft

Allowed with restrictions.

Allowed with restrictions. Cargo aircraft only

**IMDG** 

UN1950 **UN number** 

**UN** proper shipping name AEROSOLS, Limited Quantity

Transport hazard class(es)

Class 2.1 Subsidiary risk

Packing group Not applicable.

**Environmental hazards** 

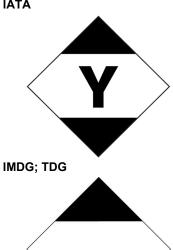
Marine pollutant Yes, but exempt from the regulations.

F-D. S-U **EmS** 

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

<sup>\*</sup> Estimates for product may be based on additional component data not shown.





# 15. Regulatory information

**Canadian regulations** 

This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

## **Controlled Drugs and Substances Act**

Not regulated.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

**Greenhouse Gases** 

carbon dioxide (CAS 124-38-9)

## **Precursor Control Regulations**

Not regulated.

#### International regulations

## **Stockholm Convention**

Not applicable.

## **Rotterdam Convention**

Not applicable.

## **Kyoto protocol**

carbon dioxide (CAS 124-38-9)

Listed.

#### **Montreal Protocol**

Not applicable.

# **Basel Convention**

Not applicable.

#### **International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes

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Country(s) or region Inventory name On inventory (yes/no)\*

Philippines Philippine Inventory of Chemicals and Chemical Substances

(PICCS)

Taiwan Chemical Substance Inventory (TCSI)

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory

Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

#### 16. Other information

**Issue date** 08-19-2019

Version # 01

Further information CRC # 431J/1002412

**Disclaimer** 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's 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 (M)SDS consult your supervisor, a health & safety

professional, or CRC Canada Co..

**Revision information** Product and Company Identification: Product and Company Identification

Composition / Information on Ingredients: Ingredients

Accidental release measures: Personal precautions, protective equipment and emergency

procedures

Accidental release measures: Methods and materials for containment and cleaning up

Handling and storage: Precautions for safe handling

Handling and storage: Conditions for safe storage, including any incompatibilities

Physical & Chemical Properties: Multiple Properties Physical and chemical properties: Oxidizing properties Physical and chemical properties: Explosive properties

**Ecological Information: Ecotoxicity** 

Transport Information: Material Transportation Information

**GHS: Classification**