

Safety Data Sheet

classification according to Canadian Hazardous Products Regulation



RAID® WASP & HORNET BUG KILLER 7 (REG NO 29776 P.C.P. ACT)

Version 1.0

Print Date 09/07/2017

Revision Date 08/17/2017

SDS Number 350000018988

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : RAID® WASP & HORNET BUG KILLER 7 (REG NO 29776 P.C.P. ACT)

Recommended use : Insecticide

Restrictions on use : Use only as directed on label

Manufacturer, importer, supplier : S.C. Johnson and Son, Limited
1 Webster Street
Brantford ON N3T 5R1

Telephone : +1-800-558-5566

Emergency telephone number : 24 Hour Transport & Medical Emergency Phone (866) 231-5406
24 Hour International Emergency Phone (952) 852-4647
24 Hour Canadian Transport Emergency Phone (CANUTEC)
(613) 996-6666

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Globally Harmonized System (GHS) Classification

Hazard classification	Hazard category	Hazards identification
Aerosol	Category 1	Extremely flammable aerosol.
Aspiration hazard	Category 1	May be fatal if swallowed and enters airways.
Gases under pressure	Liquefied gas	Contains gas under pressure; may explode if heated.

Labelling

Hazard symbols

Flame
Gas cylinder
Health hazard

Signal word

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Danger

Hazard statements

Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
May be fatal if swallowed and enters airways.

Precautionary statements

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
IF SWALLOWED: Immediately call a POISON CENTER/doctor.
Do NOT induce vomiting.
Store locked up.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
Protect from sunlight. Store in a well-ventilated place.
Dispose of contents/ container to an approved incineration plant.
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.

Other hazards : Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.
Excessive exposure to spray mist, fog or vapour may cause respiratory irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous chemicals present at or above reportable levels as defined by Canadian Hazardous Products Regulation are listed in this table.

Chemical name	CAS-No.	Weight percent
Distillates (petroleum), hydrotreated light	64742-47-8	85.00 - 100.00
Carbon dioxide	124-38-9	3.00 - 5.00
Hydrocarbons, C9, aromatics	64742-95-6	0.10 - 1.00
Tetramethrin	7696-12-0	0.10 - 1.00
D-Phenothrin	26002-80-2	0.10 - 1.00

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The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

For additional information on product ingredients, see www.whatsinsidescjohnson.com.

4. FIRST AID MEASURES

Description of first aid measures

- Eye contact** : No special requirements
- Skin contact** : No special requirements
- Inhalation** : No special requirements.
- Ingestion** : IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

- Eyes** : May irritate eyes.
- Skin effect** : No adverse effects expected when used as directed.
- Inhalation** : Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.
Excessive exposure to spray mist, fog or vapour may cause respiratory irritation.
May be fatal if swallowed and enters airways.
- Ingestion** : Can cause chemical pneumonitis if aspirated into lungs.
No adverse effects expected when used as directed.
May be fatal if swallowed and enters airways.

Indication of any immediate medical attention and special treatment needed

See Description of first aid measures unless otherwise stated.

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5. FIREFIGHTING MEASURES

- Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during firefighting** : Do not use a solid water stream as it may scatter and spread fire. Aerosol Product - Containers may rocket or explode in heat of fire. Do not allow run-off from fire fighting to enter drains or water courses.
- Further information** : Fight fire from maximum distance or protected area. Cool and use caution when approaching or handling fire-exposed containers. Wear full protective clothing and positive pressure self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.
- NFPA Classification** : NFPA Level 3 Aerosol

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Remove all sources of ignition.
Wear personal protective equipment.
Wash thoroughly after handling.
- Environmental precautions** : Do not flush into surface water or sanitary sewer system.
Use appropriate containment to avoid environmental contamination.
Outside of normal use, avoid release to the environment.
- Methods and materials for containment and cleaning up** : If damage occurs to aerosol can:
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Use only non-sparking equipment.
Dike large spills.

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Clean residue from spill site.

7. HANDLING AND STORAGE

Handling

Precautions for safe handling

: Avoid contact with skin, eyes and clothing.
Do not enter places where used or stored until adequately ventilated.
For personal protection see section 8.
Use only as directed.
KEEP OUT OF REACH OF CHILDREN AND PETS.
Pressurized container.
Do not pierce or burn, even after use.

Advice on protection against fire and explosion

: Keep away from sources of ignition - No smoking.
Do not spray on an open flame or other ignition source.

Storage

Requirements for storage areas and containers

: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
Keep away from food, drink and animal feedingstuffs.
Keep in a dry, cool and well-ventilated place.
Store locked up.
Protect from sunlight.
Store in a well-ventilated place.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Components	CAS-No.	mg/m ³	ppm	Non-standard units	Basis
Distillates (petroleum), hydrotreated light	64742-47-8	1,200 mg/m ³	152 ppm	-	SUPPLIER
Carbon dioxide	124-38-9	-	30,000 ppm	-	ACGIH STEL
Carbon dioxide	124-38-9	-	5,000 ppm	-	ACGIH TWA

Personal protective equipment

Respiratory protection : Do not spray in enclosed areas.

Hand protection : No special requirements.

Eye protection : No special requirements.

Skin and body protection : No special requirements.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : aerosol

Color : colourless

Odour : Chemical

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Odour Threshold	: No data available
pH	: Not applicable
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flash point	: 89 °C 192.2 °F Method: Tag Closed Cup (TCC)
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper/lower flammability or explosive limits	: No data available
Vapour pressure	: No data available
Vapour density	: No data available
Relative density	: 0.876 g/cm ³ at 20 °C
Solubility(ies)	: negligible
Partition coefficient: n-octanol/water	: No data available

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Auto-ignition temperature	:	No data available	
Decomposition temperature	:	No data available	
Viscosity, dynamic	:	8.5 mPa.s at 22 °C	
Viscosity, kinematic	:	No data available	
Oxidizing properties	:	No data available	
Volatile Organic Compounds Total VOC (wt. %)*	:	0.9 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations	
Other information	:	None identified	:

10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable under recommended storage conditions.
Possibility of hazardous reactions	:	Stable under recommended storage conditions.
Conditions to avoid	:	Heat, flames and sparks.
Incompatible materials	:	Strong oxidizing agents

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Hazardous decomposition products : Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 > 5000 mg/kg

Acute inhalation toxicity : LC50 > 5.14 mg/l

Acute dermal toxicity : LD50 2087 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral
Acute toxicity	No classification proposed	Dermal
Acute toxicity	No classification proposed	Inhalation - Dust and Mist
Acute toxicity	No classification proposed	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Gas
Skin corrosion/irritation	No classification proposed	-
Serious eye damage/eye irritation	No classification proposed	-
Skin sensitisation	No classification proposed	-
Respiratory sensitisation	No classification proposed	-
Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-

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Specific target organ toxicity - single exposure	No classification proposed	-
Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	Category 1	-

Aggravated Medical Condition : None known.

12. ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

Toxicity

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

Toxicity to fish

Components	End point	Species	Value	Exposure time
Distillates (petroleum), hydrotreated light	static test LC50 OECD Test Guideline 203	Oncorhynchus mykiss (rainbow trout)	> 1,000 mg/l	96 h
Carbon dioxide	No data available			
Hydrocarbons, C9, aromatics	LC50	Oncorhynchus mykiss (rainbow trout)	9.22 mg/l	96 h

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Tetramethrin	LC50	Oncorhynchus mykiss (rainbow trout)	0.0037 mg/l	96 h
D-Phenothrin	No data available			

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Distillates (petroleum), hydrotreated light	EC50 OECD Test Guideline 202	Daphnia (water flea)	> 1,000 mg/l	48 h
Carbon dioxide	No data available			
Hydrocarbons, C9, aromatics	EC50	Daphnia magna (Water flea)	3.2 mg/l	48 h
Tetramethrin	EC50	Daphnia magna (Water flea)	0.0110 mg/l	48 h
D-Phenothrin	No data available			

Toxicity to aquatic plants

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Components	End point	Species	Value	Exposure time
Distillates (petroleum), hydrotreated light	ErC50 OECD Test Guideline 201	Pseudokirchneriella subcapitata (green algae)	> 1,000 mg/l	72 h
Carbon dioxide	No data available			
Hydrocarbons, C9, aromatics	ErC50	Pseudokirchneriella subcapitata (green algae)	2.9 mg/l	72 h
Tetramethrin	EC50	Algae	> 0.94 mg/l	72 h
D-Phenothrin	No data available			

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Distillates (petroleum), hydrotreated light	69 %	28 d	Readily biodegradable.
Carbon dioxide	No data available		
Hydrocarbons, C9, aromatics	78 %	28 d	Readily biodegradable.
Tetramethrin	No data available		Not readily biodegradable.
D-Phenothrin	No data available		

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Distillates (petroleum), hydrotreated light	61 - 159	No data available
Carbon dioxide	No data available	No data available
Hydrocarbons, C9, aromatics	No data available	No data available

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Tetramethrin	No data available	4.58
D-Phenothrin	No data available	No data available

Mobility

Component	End point	Value
Distillates (petroleum), hydrotreated light	No data available	
Carbon dioxide	No data available	
Hydrocarbons, C9, aromatics	log Koc	> 1.783 - < 2.36
Tetramethrin		-
D-Phenothrin	No data available	

PBT and vPvB assessment

Component	Results
Distillates (petroleum), hydrotreated light	Not fulfilling PBT and vPvB criteria
Hydrocarbons, C9, aromatics	Not fulfilling PBT and vPvB criteria
Tetramethrin	Not fulfilling PBT and vPvB criteria

Other adverse effects : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

PESTICIDAL WASTE:

For disposal information, please read and follow Disposal instructions on the pesticide label. Consumer may discard empty container in trash, or recycle where facilities exist.

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14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

	Land transport	Sea transport	Air transport
UN number	1950	1950	1950
UN proper shipping name	AEROSOLS, Flammable	AEROSOLS, Flammable	AEROSOLS, Flammable
Transport hazard class(es)	2.1	2	2.1
Packing group	-	-	-
Environmental hazards	-	-	-
Special precautions for user	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Product not transported as bulk.	Product not transported as bulk.	Product not transported as bulk.

15. REGULATORY INFORMATION

PCPA Labeling

Read the approved PCPA label prior to using or handling the pest control product.

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This chemical is a pest control product registered by Health Canada Pest Management Regulatory Agency and is subject to certain labelling requirements under the Pest Control Products Act. These requirements differ from the classification criteria and hazard information required for GHS-consistent safety data sheets. Following is the hazard information required on the pest control product label:

DANGER:

Explosive

Contains petroleum distillates.

Vomiting may cause aspiration pneumonia.

Harmful if inhaled.

Harmful if swallowed.

Harmful if absorbed through skin.

Causes moderate eye irritation.

May irritate skin.

CONTENTS UNDER PRESSURE.

Extremely flammable.

This pesticide is toxic to fish and aquatic invertebrates.

Notification status : All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

Canada Regulations : This product has been classified in accordance with the hazard criteria of the Hazardous Products Act and Regulations.

16. OTHER INFORMATION

HMIS Ratings

Health	2
Flammability	2
Reactivity	0

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NFPA Ratings

Health	2
Fire	2
Reactivity	0
Special	-

This information is being provided in accordance with Canada's Workplace Hazard Material Information System. The information supplied is designed for workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

Further information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

Prepared by

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