

## 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](http://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 <sup>3</sup>       | ppm        | Non-standard units | Basis      |
|---|------------|-------------------------|------------|--------------------|------------|
| Distillates (petroleum), hydrotreated light | 64742-47-8 | 1,200 mg/m <sup>3</sup> | 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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|   |   |
|---|---|
| <b>Odour Threshold</b>                              | : No data available                                 |
| <b>pH</b>   | : Not applicable                                    |
| <b>Melting point/freezing point</b>                 | : No data available                                 |
| <b>Initial boiling point and boiling range</b>      | : No data available                                 |
| <b>Flash point</b>                                  | : 89 °C<br>192.2 °F<br>Method: Tag Closed Cup (TCC) |
| <b>Evaporation rate</b>                             | : No data available                                 |
| <b>Flammability (solid, gas)</b>                    | : No data available                                 |
| <b>Upper/lower flammability or explosive limits</b> | : No data available                                 |
| <b>Vapour pressure</b>                              | : No data available                                 |
| <b>Vapour density</b>                               | : No data available                                 |
| <b>Relative density</b>                             | : 0.876 g/cm <sup>3</sup> at 20 °C                  |
| <b>Solubility(ies)</b>                              | : negligible  |
| <b>Partition coefficient: n-octanol/water</b>       | : No data available                                 |

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

#### 10. STABILITY AND REACTIVITY

|   |   |   |
|---|---|---|
| <b>Reactivity</b>                         | : | No dangerous reaction known under conditions of normal use. |
| <b>Chemical stability</b>                 | : | Stable under recommended storage conditions.                |
| <b>Possibility of hazardous reactions</b> | : | Stable under recommended storage conditions.                |
| <b>Conditions to avoid</b>                | : | Heat, flames and sparks.                                    |
| <b>Incompatible materials</b>             | : | 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<br>LC50<br>OECD<br>Test<br>Guideline<br>203 | Oncorhynchus mykiss<br>(rainbow trout) | > 1,000<br>mg/l | 96 h          |
| Carbon dioxide                              | No data<br>available                                    |  |                 |               |
| Hydrocarbons, C9, aromatics                 | LC50  | Oncorhynchus mykiss<br>(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  |
|---|--|--|--|
| <b>UN number</b>  | 1950   | 1950   | 1950   |
| <b>UN proper shipping name</b>  | AEROSOLS, Flammable  | AEROSOLS, Flammable  | AEROSOLS, Flammable  |
| <b>Transport hazard class(es)</b>   | 2.1  | 2  | 2.1  |
| <b>Packing group</b>  | -  | -  | -  |
| <b>Environmental hazards</b>  | -  | -  | -  |
| <b>Special precautions for user</b>   | 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. |
| <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | 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**

|                   |   |
|-------------------|---|
| <b>Health</b>     | 2 |
| <b>Fire</b>       | 2 |
| <b>Reactivity</b> | 0 |
| <b>Special</b>    | - |

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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