1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier : Raid Flying Insect Killer Odourless

Other means of Identification : 350000011817

Recommended use : Insecticide

Restrictions on use : Use only as directed on label

Australia : S.C. Johnson & Son Pty. Ltd.
ABN 71. 000 021 009
160 Epping Road, Lane Cove, N.S.W. 2066. Australia
Telephone: +61 2 9428 9111

New Zealand : S.C. Johnson & Son Pty. Ltd
79 Queen Street
Auckland 1010
New Zealand
Telephone: +64 9 573 2850

Emergency telephone numbers : Australia: (8:30am – 17:30pm Mon-Thurs, 8:30am – 17:00pm Fri AEST)
+61 2 9428 9111
New Zealand: (9:00am – 14:00pm Mon-Fri NZDT) +64 9 573 2850

Poison Information Contacts : Australia: 13 11 26
New Zealand : 0800 764 766 or 0800 POISON

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Statement of Hazardous Nature (Australia)

Globally Harmonized System (GHS) Classification

<table>
<thead>
<tr>
<th>Hazard classification</th>
<th>Hazard category</th>
<th>Hazards identification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerosol</td>
<td>Category 1</td>
<td>Extremely flammable aerosol.</td>
</tr>
<tr>
<td>Chronic aquatic toxicity</td>
<td>Category 2 *</td>
<td>Toxic to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>
Safety Data Sheet

According to Australian CoP Preparation of Safety Data Sheets for Hazardous Chemicals, Feb 2016 and New Zealand HSNO CoP 8-1 09-06

Raid Flying Insect Killer Odourless

Version 1.1
Print Date 01.08.2017

Revision Date 18.05.2017
SDS Number 350000011817

* Classification not adopted by Australia
^ Classification only triggered in Australia if ‘Schedule 6 of WHS Regulations’ met. Contact SCJ Consumer Advice number listed on product label if required.

Statement of Hazardous Nature (New Zealand)

HSNO Classification (NZ): 2.1.2A
9.1B, 9.4B

Labelling - Australia **

Hazard symbols

![Flame](Image)
![Environment](Image)

Flame
Environment

Signal word
Danger

Hazard statements
(H222) Extremely flammable aerosol.
(H229) Pressurised container: May burst if heated.
(H411) Toxic to aquatic life with long lasting effects.

Precautionary statements
(P101) If medical advice is needed, have product container or label at hand.
(P102) Keep out of reach of children.
(P410 + P412) Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
(P501) Dispose of contents/ container to an approved incineration plant.
(P210) Keep away from heat/sparks/open flames/hot surfaces. No smoking.
(P211) Do not spray on an open flame or other ignition source.
(P251) Pressurized container: Do not pierce or burn, even after use.

** The information supplied is designed for products predominately used in workplaces; whereas consumer product labels comply with the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) labelling requirements, under The Australian CoP Labelling of Workplace Hazardous Chemicals (March 2015).
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Weight percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetramethrin</td>
<td>7696-12-0</td>
<td>0.10 - 0.50</td>
</tr>
<tr>
<td>Sodium nitrite</td>
<td>7632-00-0</td>
<td>0.10 - 0.50</td>
</tr>
<tr>
<td>d-Phenothrin</td>
<td>188023-86-1</td>
<td>0.00 - 0.10</td>
</tr>
<tr>
<td>d-cis, trans Allethrin</td>
<td>231937-89-6</td>
<td>0.00 - 0.10</td>
</tr>
<tr>
<td>Other non-hazardous ingredients</td>
<td>various</td>
<td>Balance to 100</td>
</tr>
</tbody>
</table>
4. FIRST AID MEASURES

Description of first aid measures

Eye contact : No special requirements

Skin contact : No special requirements

Inhalation : No special requirements.

Ingestion : No special requirements

Most important symptoms and effects, both acute and delayed

Indication of any immediate medical attention and special treatment needed : See Description of first aid measures unless otherwise stated.

5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards arising from substance : 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.

Special protective equipment and precautions for fire fighters : 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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, : Remove all sources of ignition.
### Protective equipment and emergency procedures
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.
  - 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.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

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
Odor : characteristic
Odour Threshold :
pH : No data available
Melting point/freezing point :
Initial boiling point and boiling range :
Raid Flying Insect Killer Odourless

Flash point : < 23 °C
< 73.4 °F

Evaporation rate :

Flammability (solid, gas) :

Upper/lower flammability or explosive limits :

Vapour pressure : Not applicable

Vapour density :

Relative density : 0.756 g/cm³ at 20 °C

Solubility(ies) : partly miscible

Partition coefficient: n-octanol/water :

Auto-ignition temperature :

Decomposition temperature :

Viscosity, dynamic :

Viscosity, kinematic : No data available

Oxidizing properties :

Other information : None identified
10. STABILITY AND REACTIVITY

Reactivity
: No dangerous reaction known under conditions of normal use.

Chemical stability
: No decomposition if stored normally.

Possibility of hazardous reactions
: Stable under recommended storage conditions.

Conditions to avoid
: Heat, flames and sparks.

Incompatible materials
: Strong oxidizing agents
None known.

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 > 5.1 mg/L

Acute dermal toxicity
: LD50 > 5000 mg/kg
<table>
<thead>
<tr>
<th>Acute toxicity</th>
<th>No classification proposed</th>
<th>Inhalation - Gas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>No classification proposed</td>
<td>-</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>No classification proposed</td>
<td>-</td>
</tr>
<tr>
<td>Skin sensitisation</td>
<td>No classification proposed</td>
<td>-</td>
</tr>
<tr>
<td>Respiratory sensitisation</td>
<td>No classification proposed</td>
<td>-</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>No classification proposed</td>
<td>-</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>No classification proposed</td>
<td>-</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>No classification proposed</td>
<td>-</td>
</tr>
<tr>
<td>Specific target organ toxicity - single exposure</td>
<td>No classification proposed</td>
<td>-</td>
</tr>
<tr>
<td>Specific target organ toxicity - repeated exposure</td>
<td>No classification proposed</td>
<td>-</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>No classification proposed</td>
<td>-</td>
</tr>
</tbody>
</table>

**Aggravated Medical Condition**: None known.

*Classification not adopted by Australia*

^Classification only triggered in Australia if ‘Schedule 6 of WHS Regulations’ met. Contact SCJ Consumer Advice number listed on product label if required.
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

<table>
<thead>
<tr>
<th>Components</th>
<th>End point</th>
<th>Species</th>
<th>Value</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetramethrin</td>
<td>LC50</td>
<td>Oncorhynchus mykiss (rainbow trout)</td>
<td>0.0037 mg/l</td>
<td>96 h</td>
</tr>
<tr>
<td>Sodium nitrite</td>
<td>flow-through test LC50 NOEC</td>
<td>Oncorhynchus mykiss (rainbow trout) Cyprinus carpio (Carp)</td>
<td>0.54 mg/l 21 mg/l</td>
<td>96 h 30 d</td>
</tr>
<tr>
<td>d-Phenothrin</td>
<td>LC50</td>
<td>Oncorhynchus mykiss (rainbow trout)</td>
<td>0.0027 mg/l &gt; 0.0011 mg/l</td>
<td>96 h 90 d</td>
</tr>
<tr>
<td>d-cis, trans Allethrin</td>
<td>LC50</td>
<td>Danio rerio (zebra fish)</td>
<td>0.0708 mg/l</td>
<td>96 h</td>
</tr>
</tbody>
</table>

### Toxicity to aquatic invertebrates

<table>
<thead>
<tr>
<th>Components</th>
<th>End point</th>
<th>Species</th>
<th>Value</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetramethrin</td>
<td>EC50</td>
<td>Daphnia magna (Water flea)</td>
<td>0.0110 mg/l</td>
<td>48 h</td>
</tr>
<tr>
<td>Sodium nitrite</td>
<td>static test EC50 NOEC</td>
<td>Daphnia magna (Water flea) Penaeus monodon</td>
<td>15.4 mg/l 2 mg/l</td>
<td>48 h 80 d</td>
</tr>
<tr>
<td>d-Phenothrin</td>
<td>EC50</td>
<td>Daphnia (water flea)</td>
<td>0.0043 mg/l</td>
<td>48 h</td>
</tr>
</tbody>
</table>
### Raid Flying Insect Killer Odourless

**Version 1.1**

Print Date 01.08.2017

Revision Date 18.05.2017

SDS Number 350000011817

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<table>
<thead>
<tr>
<th>Component</th>
<th>End point</th>
<th>Species</th>
<th>Value</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>d-cis, trans Allethrin</td>
<td>NOEC</td>
<td>Daphnia (water flea)</td>
<td>0.00047 mg/l</td>
<td>21 d</td>
</tr>
<tr>
<td></td>
<td>EC50</td>
<td>Daphnia magna (Water flea)</td>
<td>0.061 mg/l</td>
<td>48 h</td>
</tr>
</tbody>
</table>

### Toxicity to aquatic plants

<table>
<thead>
<tr>
<th>Components</th>
<th>End point</th>
<th>Species</th>
<th>Value</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetramethrin</td>
<td>EC50</td>
<td>Algae</td>
<td>&gt; 0.94 mg/l</td>
<td>72 h</td>
</tr>
<tr>
<td>Sodium nitrite</td>
<td>static test EC50</td>
<td>Desmodesmus subspicatus (green algae)</td>
<td>&gt; 100 mg/l</td>
<td>72 h</td>
</tr>
<tr>
<td>d-Phenothrin</td>
<td>EbC50</td>
<td>Algae</td>
<td>&gt; 0.011 mg/l</td>
<td>72 h</td>
</tr>
<tr>
<td>d-cis, trans Allethrin</td>
<td>EC50</td>
<td>Pseudokirchneriella subcapitata (microalgae)</td>
<td>1.1 mg/l</td>
<td>72 h</td>
</tr>
</tbody>
</table>

### Persistence and degradability

<table>
<thead>
<tr>
<th>Component</th>
<th>Biodegradation</th>
<th>Exposure time</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetramethrin</td>
<td>No data available</td>
<td></td>
<td>Not readily biodegradable.</td>
</tr>
<tr>
<td>Sodium nitrite</td>
<td>No data available</td>
<td></td>
<td>Not readily biodegradable.</td>
</tr>
<tr>
<td>d-Phenothrin</td>
<td>1 %</td>
<td>28 d</td>
<td>Not readily biodegradable.</td>
</tr>
<tr>
<td>d-cis, trans Allethrin</td>
<td>No data available</td>
<td></td>
<td>Not readily biodegradable.</td>
</tr>
</tbody>
</table>

### Bioaccumulative potential

<table>
<thead>
<tr>
<th>Component</th>
<th>Bioconcentration factor (BCF)</th>
<th>Partition Coefficient n-Octanol/water (log)</th>
</tr>
</thead>
</table>
Tetramethrin | No data available | 4.58
Sodium nitrite | -3.7 |
d-Phenothrin | 2,506 - 3,192 Measured | 6.8 
d-cis, trans Allethrin | 20 | > 3.07

Mobility

<table>
<thead>
<tr>
<th>Component</th>
<th>End point</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetramethrin</td>
<td></td>
<td>-</td>
</tr>
<tr>
<td>Sodium nitrite</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>d-Phenothrin</td>
<td>Koc</td>
<td>125893</td>
</tr>
<tr>
<td>d-cis, trans Allethrin</td>
<td>Koc</td>
<td>9500</td>
</tr>
</tbody>
</table>

PBT and vPvB assessment

<table>
<thead>
<tr>
<th>Component</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetramethrin</td>
<td>Not fulfilling PBT and vPvB criteria</td>
</tr>
<tr>
<td>Sodium nitrite</td>
<td>Not fulfilling PBT and vPvB criteria</td>
</tr>
<tr>
<td>d-Phenothrin</td>
<td>Not fulfilling PBT and vPvB criteria</td>
</tr>
<tr>
<td>d-cis, trans Allethrin</td>
<td>Not fulfilling PBT and vPvB criteria</td>
</tr>
</tbody>
</table>

Other adverse effects : None known.

13. DISPOSAL CONSIDERATIONS

Safe handling and disposal methods : 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.

Disposal of any : Do not re-use empty containers.
contaminated packaging

14. TRANSPORT INFORMATION

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

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

§ *Land transport*: Classification based on UN Recommendations on the Transport of Dangerous Goods. Local regulations under the Australian Dangerous Goods Code (ADG) and/or the New Zealand Land Transport Rule Dangerous Goods should be applied prior to transportation of goods.

15. REGULATORY INFORMATION
Safety Data Sheet

According to Australian CoP Preparation of Safety Data Sheets for Hazardous Chemicals, Feb 2016 and New Zealand HSNO CoP 8-1 09-06

Raid Flying Insect Killer Odourless

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HSNO Classification (NZ): 2.1.2A
                             9.1B, 9.4B

HSNO Approval Number (NZ): HSR000318

16. OTHER INFORMATION

Revision Date: 18.05.2017

Key abbreviations or acronyms used
ADG: The Australian Code for the Transport of Dangerous Goods by Road and Rail

NZ LTR: The New Zealand Land Transport Rule: Dangerous Goods 2005

HSNO: Hazardous Substances and New Organisms Act 1996 (New Zealand)

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods

SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons (Australia)

Further information

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Prepared by SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)