

**SAFETY DATA SHEET**

(according to Regulation (EC) No. 1907/2006)

**RAID Fly & Wasp Killer**Version 2.0  
Revision Date 03.07.2014Print Date 28.07.2014  
Specification Number: 350000012712  
SITE FORM Number:  
30000000000000010437.002**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier** : RAID Fly & Wasp Killer
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
- Use of the Substance/Mixture** : Biocidal products (e.g. Disinfectants, pest control)
- Uses advised against** : None identified
- 1.3 Details of the supplier of the safety data sheet** : SC Johnson Ltd.  
Frimley Green  
Camberley  
Surrey  
GU16 7AJ
- Telephone** : +441276852000
- E-mail address** : ask.uk@scj.com
- 1.4 Emergency telephone number** : Consumer Care Center:  
UK - 0800 353 353  
Ireland - 1800 409 176

**2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

Classification according to Regulation (EU) 1272/2008 with the correlation table 67/548/EEC or 1999/45/EC (Annex VII of CLP)

Hazard classification	Hazard category	Hazards identification
Aerosol	Category 1	Extremely flammable aerosol.
Chronic aquatic toxicity	Category 2	Toxic to aquatic life with long lasting effects.

**2.2 Label elements**

Labelling according to Regulation (EC) No. 1272/2008 (CLP)

**Hazard symbols****Signal word**

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Danger

#### Active Ingredients (BPR)

1R-trans phenothrin 0.125% (0.125g/100g)

Prallethrin 0.10% (0.10g/100g)

#### Hazard statements

(H222) Extremely flammable aerosol.

(H229) Pressurized 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.

(P305 + P351 + P338) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

(P410 + P412) Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

(P210) Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

(P211) Do not spray on an open flame or other ignition source.

(P251) Do not pierce or burn, even after use.

(P260) Do not breathe spray.

(P264) Wash hands thoroughly after handling.

#### Additional Labelling

Caution

Use only as directed.

Do not spray onto people or pets.

Remove or cover food, food preparation equipment and eating utensils.

Remove or cover terrariums, aquariums and animal cages before application.

Turn off aquarium air-filter during use.

Do not spray onto wall paper and keep spray at least 1 metre away from all surfaces and walls.

Store away from food, beverages and pet food.

Use only in well-ventilated areas.

#### 2.3 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

#### 3.2 Mixtures

##### Hazardous components

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Chemical Name	CAS-No./EC No	Reg. No	Classification according to Regulation (EC) No 1272/2008 (CLP)	Weight percent
Isobutane	75-28-5/200-857-2	01-2119485395-27	Flammable gases Category 1 H220 Gases under pressure  H280	>= 20.00 - < 30.00
Naphtha (petroleum), hydrotreated heavy	64742-48-9/918-481-9	01-2119456810-40	Aspiration hazard Category 1 H304	>= 10.00 - < 20.00
Propane	74-98-6/200-827-9	01-2119486944-21	Flammable gases Category 1 H220 Gases under pressure  H280	>= 5.00 - < 10.00
<b>1R-trans phenothrin</b>	26046-85-5/	-	Acute aquatic toxicity Category 1 H400 Chronic aquatic toxicity Category 1 H410	>= 0.10 - < 0.50
Prallethrin	23031-36-9/245-387-9	-	Acute toxicity Category 4 H302 Acute toxicity Category 3 H331 Acute aquatic toxicity Category 1 H400 Chronic aquatic toxicity Category 1 H410	>= 0.10 - < 0.50

**Additional Information**

For the full text of the H-Statements mentioned in this Section, see Section 16.

**4. FIRST AID MEASURES****4.1 Description of first aid measures**

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- Inhalation : Move to fresh air.  
If breathing is affected, get medical attention.
- Skin contact : Rinse with plenty of water.  
Get medical attention if irritation develops and persists.
- Eye contact : Rinse with plenty of water.  
Get medical attention if irritation develops and persists.
- Ingestion : If symptoms persist, call a physician.

**4.2 Most important symptoms and effects, both acute and delayed**

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

**4.3 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**

**5.1 Extinguishing media**

- Suitable : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable : High volume water jet

**5.2 Special hazards arising from the substance or mixture**

- : Heating may cause an explosion.  
In case of fire and/or explosion do not breathe fumes.  
Exposure to decomposition products may be a hazard to health.
- Advice for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Wear suitable protective clothing and gloves.  
Refer to current EN or National standard as appropriate.

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- 5.3 Further information** : Use water spray to cool unopened containers.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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**6. ACCIDENTAL RELEASE MEASURES**

- 6.1 Personal precautions, protective equipment and emergency procedures** : Use personal protective equipment.  
Remove all sources of ignition.  
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
- 6.2 Environmental precautions** : Prevent product from entering drains.  
Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.  
Use appropriate containment to avoid environmental contamination.
- 6.3 Methods and materials for containment and cleaning up** : If damage occurs to aerosol can:  
Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
Clean residue from spill site.  
Dike large spills.  
Use only non-sparking equipment.
- 6.4 Reference to other sections** : For personal protection see section 8.  
For disposal considerations see section 13.

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**7. HANDLING AND STORAGE**

- 7.1 Precautions for safe handling** : For personal protection see section 8.  
Do not breathe vapours or spray mist.  
Do not use in areas without adequate ventilation.  
Do not puncture.  
Use explosion-proof equipment.  
Keep away from sources of ignition - No smoking.  
Do not spray on a naked flame or any incandescent material.  
Take measures to prevent the build up of electrostatic charge.
- 7.2 Conditions for safe storage, including any incompatibilities** : No smoking.  
Store in cool place.  
Do not freeze.  
Pressurized container: protect from sunlight and do not expose to

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temperatures exceeding 50 °C. Do not pierce or burn, even after use.  
Keep out of the reach of children.  
No decomposition if stored and applied as directed.

**7.3 Specific end use(s)** : Consumer uses: Private households (= general public = consumers)  
Biocidal products (e.g. Disinfectants, pest control)

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters**

**Occupational Exposure Limit Values**

Contains no substances with occupational exposure limit values.

Refer to current EN or National standard as appropriate.

**8.2 Exposure controls**

- Respiratory protection : No personal respiratory protective equipment normally required.
- Hand protection : Wear suitable gloves.  
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.  
Before removing gloves clean them with soap and water.
- Eye/face protection : No special requirements.
- Skin and body protection : Wash contaminated clothing before re-use.
- Other information : Wash hands before breaks and at the end of workday.
- Environmental Exposure Controls : Refer to section 6.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

- Appearance : aerosol
- Colour : colourless
- Odour : Functional
- Odour Threshold : no data available
- pH : 7.5
- Melting point/freezing point : no data available

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Initial boiling point and boiling range	:	no data available	
Flash point	:	< -7 °C	
Evaporation rate	:	no data available	
Flammability (solid, gas)	:	Sustains combustion	
Upper/lower flammability or explosive limits	:	no data available	
Vapour pressure	:	no data available	
Vapour density	:	no data available	
Relative density	:	0.792 g/cm <sup>3</sup> at 20 °C	
Solubility(ies)	:	partly miscible	
Partition coefficient: n-octanol/water	:	no data available	
Auto-ignition temperature	:	no data available	
Decomposition temperature	:	no data available	
Viscosity, dynamic	:	no data available	
Viscosity, kinematic	:	no data available	
Explosive properties	:	no data available	
Oxidizing properties	:	no data available	
Other information	:	None identified	:

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**10. STABILITY AND REACTIVITY**

<b>10.1 Reactivity</b>	:	No dangerous reaction known under conditions of normal use.
<b>10.2 Chemical stability</b>	:	Stable under recommended storage conditions.
<b>10.3 Possibility of hazardous reactions</b>	:	None known.
<b>10.4 Conditions to avoid</b>	:	Heat, flames and sparks.

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Name	Method	Species	Dose
Product	EU CLP LD50 Measured	rat	> 5,000 mg/kg

**Acute inhalation toxicity**

Name	Method	Species	Dose	Exposure time
Product	EU CLP LC50 (dust and mist) Measured	rat	> 5.05 mg/l	4 h

**Acute dermal toxicity**

Name	Method	Species	Dose
Product	EU CLP LD50 Measured	rat	> 5,000 mg/kg

Naphtha (petroleum), hydrotreated heavy	EU CLP LD50	rat	> 5,000 mg/kg
<b>1R-trans phenothrin</b>	EU CLP LD50	rat	> 2,000 mg/kg
Prallethrin	EU CLP LD50	rat	640 mg/kg

**Acute inhalation toxicity**

Name	Method	Species	Dose	Exposure time
Isobutane	LC50	rat	658 mg/l	4 h
Naphtha (petroleum), hydrotreated heavy	EU CLP LC50 (vapour)	rat	> 7,630 mg/m <sup>3</sup>	4 h
Propane	LC50	rat	658 mg/l	4 h
<b>1R-trans phenothrin</b>	EU CLP LC50 (dust and mist)	rat	> 2.1 mg/l	4 h
Prallethrin	EU CLP LC50 (dust	rat	0.29 mg/l	



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	and mist)			
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**Acute dermal toxicity**

Name	Method	Species	Dose
Naphtha (petroleum), hydrotreated heavy	EU CLP LD50	rabbit	> 2,000 mg/kg
<b>1R-trans phenothrin</b>	EU CLP LD50	rat	> 2,000 mg/kg
Prallethrin	EU CLP LD50	rat	> 5,000 mg/kg

- Skin corrosion/irritation : May cause skin irritation in susceptible persons.  
Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.
- Serious eye damage/eye irritation : May irritate eyes.  
Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.
- Skin sensitisation : Based on available data, the classification criteria are not met.
- Germ cell mutagenicity : Based on available data, the classification criteria are not met.
- Carcinogenicity : Based on available data, the classification criteria are not met.
- Toxicity for reproduction : Based on available data, the classification criteria are not met.
- STOT - single exposure : Based on available data, the classification criteria are not met.
- STOT - repeated exposure : Based on available data, the classification criteria are not met.
- Aspiration hazard : Based on available data, the classification criteria are not met.

**12. ECOLOGICAL INFORMATION****Product** : The product itself has not been tested.**12.1 Toxicity**

Components	Acute aquatic toxicity	M-Factor	Chronic aquatic toxicity	M-Factor
Isobutane	No classification proposed		No classification proposed	
Naphtha (petroleum), hydrotreated heavy	No classification proposed		No classification proposed	
Propane	No classification proposed		No classification proposed	
<b>1R-trans phenothrin</b>	Very toxic to aquatic life.	100	Very toxic to aquatic life with long lasting effects.	100
Prallethrin	Very toxic to aquatic life.	100	Very toxic to aquatic life	100

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			with long lasting effects.	
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**12.2 Persistence and degradability**

Component	Biodegradation	Exposure time	Summary
Isobutane	70 %	< 10 d	Readily biodegradable.
Naphtha (petroleum), hydrotreated heavy	80 %	28 d	Readily biodegradable.
Propane	70 %	< 10 d	Readily biodegradable.
<b>1R-trans phenothrin</b>	1 %	28 d	Not readily biodegradable.
Prallethrin			Not readily biodegradable.

**12.3 Bioaccumulative potential**

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Isobutane	1.57 - 1.97	2.8
Naphtha (petroleum), hydrotreated heavy	no data available	no data available
Propane	no data available	1.81
<b>1R-trans phenothrin</b>	2,506 - 3,192	6.8
Prallethrin	no data available	4.49

**12.4 Mobility**

Component	End point	Value
Isobutane		no data available
Naphtha (petroleum), hydrotreated heavy	log Koc	> 1.783 - < 2.36
Propane		no data available
<b>1R-trans phenothrin</b>	Koc	125893
Prallethrin		no data available

**12.5 PBT and vPvB assessment**

Component	Results
Isobutane	Not fulfilling PBT and vPvB criteria
Naphtha (petroleum), hydrotreated heavy	Not fulfilling PBT and vPvB criteria
Propane	Not fulfilling PBT and vPvB criteria
<b>1R-trans phenothrin</b>	Not fulfilling PBT and vPvB criteria

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Prallethrin	Not fulfilling PBT and vPvB criteria
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**12.6 Other adverse effects** : None known.**13. DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

- Product : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Disposal should be in accordance with local, state or national legislation.  
Please recycle empty packaging.
- Packaging : Do not re-use empty containers.

**14. TRANSPORT INFORMATION**

	Land transport	Sea transport	Air transport
<b>14.1 UN number</b>	1950	1950	1950
<b>14.2 UN proper shipping name</b>	UN 1950 AEROSOLS, Flammable, 2.1	UN 1950 AEROSOLS, Flammable, 2.1	UN 1950 AEROSOLS, Flammable, 2.1
<b>14.3 Transport hazard class(es)</b>	2	2	2.1
<b>14.4 Packing group</b>			
<b>14.5 Environmental hazards</b>			
<b>14.6 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>14.7 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**

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture** : This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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**16. OTHER INFORMATION**

If applicable, revision(s) are noted by the bold bars || in left-hand margin.

**Further information**

H220	Extremely flammable gas.
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.