

SAFETY DATA SHEET

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

**Raid® Ant & Cockroach Killer**Version 2.0
Revision Date 25.03.2015Print Date 20.10.2017
Specification Number: 350000007948
SITE FORM Number:
30000000000000006986.002**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier** : Raid® Ant & Cockroach 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

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 1	Very 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)

Cypermethrin 0.10% (0.10g/100g)

Imiprothrin 0.10% (0.10g/100g)

Hazard statements

(H222) Extremely flammable aerosol.

(H229) Pressurised container: May burst if heated.

(H410) Very 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/sparks/open flames/hot surfaces. - No smoking.

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

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

(P264) Wash hands thoroughly after handling.

(P260) Do not breathe spray.

EUH Statements

(EUH066) Repeated exposure may cause skin dryness or cracking.

Additional Labelling

Caution

Use only as directed.

Do not spray onto people or pets.

Store away from food, beverages and pet food.

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

Do not spray on electric appliances which have not been disconnected.

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

Turn off aquarium air-filter during use.

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

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Chemical Name	CAS-No./EC No	Reg. No	Classification according to Regulation (EC) No 1272/2008 (CLP)	Weight percent
Naphtha (petroleum), hydrotreated heavy	64742-48-9/918-481-9	01-2119456810-40	Aspiration hazard Category 1 H304	>= 20.00 - < 30.00
sobutane	75-28-5/200-857-2	01-2119485395-27	Flammable gases Category 1 H220 Gases under pressure H280	>= 10.00 - < 20.00
Propane	74-98-6/200-827-9	01-2119486944-21	Flammable gases Category 1 H220 Gases under pressure H280	>= 1.00 - < 5.00
sopropanol	67-63-0/200-661-7	01-2119457558-25	Flammable liquids Category 2 H225 Eye irritation Category 2 H319 Specific target organ toxicity - single exposure Category 3 H336	>= 1.00 - < 5.00
miprothrin	72963-72-5/428-790-6	-	Acute toxicity Category 4 H302 Acute aquatic toxicity Category 1 H400 Chronic aquatic toxicity Category 1 H410	>= 0.10 - < 0.50
Cypermethrin	52315-07-8/257-842-9	-	Acute toxicity Category 4 H302 Acute toxicity Category 4 H332	>= 0.10 - < 0.50

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			Specific target organ toxicity - single exposure Category 3 H335 Acute aquatic toxicity Category 1 H400 Chronic aquatic toxicity Category 1 H410	
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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

- 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.

5.3 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.

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 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)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure Limit Values

Components	CAS-No.	mg/m3	ppm	Form of exposure	List
isopropanol	67-63-0	1,250 mg/m3	500 ppm		UK_WELSTEL
		999 mg/m3	400 ppm		UK_WELTWS

Refer to current EN or National standard as appropriate.

8.2 Exposure controls

- Respiratory protection** : In the case of dust or aerosol formation use respirator with an approved filter.

- 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.

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- Other information : Handle in accordance with good industrial hygiene and safety practice.
Wash hands before breaks and at the end of workday.
When using do not eat, drink or smoke.
- Other information : Wash hands before breaks and at the end of workday.
- Environmental Exposure Controls : Refer to section 6.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Appearance : aerosol
- Colour : off-white
- Odour : Functional
- Odour Threshold : No data available
- pH : No data available
- Melting point/freezing point : No data available
- Initial boiling point and boiling range : No data available
- Flash point : < -7 °C
- 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 : 0.844 g/cm3
- Solubility(ies) : No data available
- Partition coefficient: n-octanol/water : No data available
- Auto-ignition temperature : No data available

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Decomposition temperature : No data available

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Explosive properties : No data available

Oxidizing properties : Not applicable

Other information : None identified :

10. STABILITY AND REACTIVITY

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

10.2 Chemical stability : Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions : None known.

10.4 Conditions to avoid : Heat, flames and sparks.

10.5 Incompatible materials : Strong oxidizing agents

10.5 Incompatible materials : None known.

10.6 Hazardous decomposition products : No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION**Information on toxicological effects****Acute oral toxicity**

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 (vapour) Measured	Rat	> 5,000 mg/l	4 h

Acute dermal toxicity

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

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Acute oral toxicity

Name	Method	Species	Dose
Naphtha (petroleum), hydrotreated heavy	EU CLP LD50	Rat	> 5,000 mg/kg
isopropanol	EU CLP LD50	Rat	5.84 g/kg
Imiprothrin	EU CLP LD50	Rat	900 mg/kg
Cypermethrin	Oral LD50 LD50	Rat Mouse	247 mg/kg 138 mg/kg

Acute inhalation toxicity

Name	Method	Species	Dose	Exposure time
Naphtha (petroleum), hydrotreated heavy	EU CLP LC50 (vapour)	Rat	> 7,630 mg/m ³	4 h
Isobutane	LC50	Rat	658 mg/l	4 h
Propane	LC50	Rat	658 mg/l	4 h
isopropanol	EU CLP LC50 (vapour) Measured	Rat	> 9,988 mg/l	6 h
Cypermethrin	LC50	Rat	7,889 mg/m ³	4 h

Acute dermal toxicity

Name	Method	Species	Dose
Naphtha (petroleum), hydrotreated heavy	EU CLP LD50	Rabbit	> 2,000 mg/kg
isopropanol	EU CLP LD50	Rabbit	16.4 ml/kg
Imiprothrin	EU CLP LD50	Rabbit	> 2,000 mg/kg
Cypermethrin	EU CLP LD50 LD50	Rabbit Rat	> 2,460 mg/kg 1,600 mg/kg

Skin corrosion/irritation : Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation : Based on available data, the classification criteria are not met.

Skin sensitisation : Based on available data, the classification criteria are not met.

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- 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****Toxicity to fish**

Components	End point	Species	Value	Exposure time
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics				
Isobutane	LC50	Fish	27.98 mg/l	96 h
Propane	LC50	Fish	27.98 mg/l	96 h
Isopropanol	LC50	Pimephales promelas (fathead minnow)	9,640 mg/l	96 h
Imiprothrin	LC50	Oncorhynchus mykiss (rainbow trout)	0.038 mg/l	96 h
Cypermethrin	LC50	Oncorhynchus mykiss (rainbow trout)	0.00283 mg/l	96 h
	NOEC	Pimephales promelas (fathead minnow)	0.00001 mg/l	28 d

Toxicity to aquatic invertebrates

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Components	End point	Species	Value	Exposure time
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics				
Isobutane	LC50	Daphnid	16.33 mg/l	48 h
Propane	LC50	Daphnid	14.22 mg/l	48 h
Isopropanol	EC50	Daphnia magna (Water flea)	13,299 mg/l	48 h
Imiprothrin	EC50	Daphnia magna (Water flea)	0.051 mg/l	48 h
Cypermethrin	EC50	Daphnia magna (Water flea)	0.00471 mg/l	48 h
	NOEC	Daphnia magna (Water flea)	0.00004 mg/l	21 d

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	No data available			
Isobutane	EC50	Green algae	8.57 mg/l	96 h
Propane	EC50	Green algae	11.89 mg/l	96 h
Isopropanol	EC50	Desmodesmus subspicatus (green algae)	> 1,000 mg/l	72 h
Imiprothrin	NOEC	Pseudokirchneriella subcapitata (green algae)	1.3 mg/l	72 h
Cypermethrin	ErC50		> 0.0033 mg/l	72 h

12.2 Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics			
Isobutane	70 %	< 10 d	Readily biodegradable

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Propane	70 %	< 10 d	Readily biodegradable
Isopropanol	53 %	5 d	Readily biodegradable
Imiprothrin	58 %	28 d	Not readily biodegradable.
Cypermethrin	0.6 - 1.4 %	33 d	Not readily biodegradable.

12.3 Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	No data available	No data available
Isobutane	1.57 - 1.97	2.8
Propane	No data available	2.36
Isopropanol	0.96 estimated	0.05
Imiprothrin	58.2 Calculated	2.9
Cypermethrin	373.4 Measured	5.3 - 5.6

12.4 Mobility

Component	End point	Value
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics		
Isobutane	No data available	
Propane	No data available	
Isopropanol	No data available	
Imiprothrin	Koc	268
Cypermethrin	Koc	80653 - 574360

12.5 PBT and vPvB assessment

Component	Results
Isobutane	Not fulfilling PBT and vPvB criteria
Propane	Not fulfilling PBT and vPvB criteria
Isopropanol	Not fulfilling PBT and vPvB criteria

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Imiprothrin	Not fulfilling PBT and vPvB criteria
Cypermethrin	Not fulfilling PBT and vPvB criteria

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
14.1 UN number	1950	1950	1950
14.2 UN proper shipping name	AEROSOLS, Flammable, 2.1	AEROSOLS, Flammable, 2.1	AEROSOLS, Flammable, 2.1
14.3 Transport hazard class(es)	2	2	2.1
14.4 Packing group			
14.5 Environmental hazards			
14.6 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.
14.7 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

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

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H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
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.