

SAFETY DATA SHEET

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



Pakex (UK) Plc, No 1, Prime Point, Bessemer Road, Welwyn Garden City, Herts, AL7 1FE
Tel: 01707 384858 | Fax: 01707 332838 | web : www.pakexuk.com

RAID Ant & Cockroach Killer

Version 1.0

Revision Date 04.03.2014

Print Date 31.07.2014

Specification Number: 350000007948

SITE FORM Number:

300000000000000006986.002

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 : Pakex (UK) Plc
1 Prime Point
Bessemer Road
Welwyn Garden City
Herts
AL 7 1FE

Telephone : +44 (0)1707 384858

Fax : +44 (0)1707 332838

E-mail address : sales@pakexuk.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) Pressurized 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, 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.

(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.

Contains

Cypermethrin

May produce an allergic reaction.

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.

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30000000000000006986.002**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.2 Mixtures****Hazardous components**

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
Isobutane	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
isopropanol	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 Acute toxicity Category 4 H332	>= 1.00 - < 5.00
Imiprothrin	72963-72-5/	-	Acute toxicity Category 4 H302 Acute aquatic toxicity Category 1 H400 Chronic aquatic toxicity Category 1	>= 0.10 - < 0.50

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			H410	
Cypermethrin	52315-07-8/257-842-9	-	Acute toxicity Category 4 H302 Acute toxicity Category 4 H332 Specific target organ toxicity - single exposure Category 3 H335 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**

- 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

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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.

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.

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.

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.

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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.

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_WELTWAS

Refer to current EN or National standard as appropriate.

8.2 Exposure controls

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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.
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

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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

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	rat	> 5,000 mg/kg

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	Measured		
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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

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	EU CLP LD50	rat	247 mg/kg

Acute inhalation toxicity

Name	Method	Species	Dose	Exposure time
Naphtha (petroleum), hydrotreated heavy	EU CLP LC50 (vapour)	rat	> 7,630 mg/m3	4 h
Isobutane	LC50	rat	658 mg/l	4 h
Propane	LC50	rat	658 mg/l	4 h
isopropanol	LC50	rat	16000 ppm	8 h
Cypermethrin	LC50	rat	7,889 mg/m3	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	rabbit	> 2,460 mg/kg

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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.
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
Naphtha (petroleum), hydrotreated heavy	No classification proposed		No classification proposed	
Isobutane	No classification proposed		No classification proposed	
Propane	No classification proposed		No classification proposed	
isopropanol	No classification proposed		No classification proposed	
Imiprothrin	Very toxic to aquatic life.	10	Very toxic to aquatic life with long lasting effects.	10
Cypermethrin	Very toxic to aquatic life.	100	Very toxic to aquatic life with long lasting effects.	10,000

12.2 Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Naphtha (petroleum), hydrotreated heavy	no data available		
Isobutane	70 %	< 10 d	Readily biodegradable.

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Propane	70 %	< 10 d	Readily biodegradable.
isopropanol	53 %	5 d	Readily biodegradable.
Imiprothrin			Not readily biodegradable.
Cypermethrin			Not readily biodegradable.

12.3 Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Naphtha (petroleum), hydrotreated heavy	no data available	no data available
Isobutane	1.57 - 1.97	2.8
Propane	no data available	1.81
isopropanol	0.96	0.05
Imiprothrin	58.2	2.9
Cypermethrin	417	5.3

12.4 Mobility

Component	End point	Value
Naphtha (petroleum), hydrotreated heavy	log Koc	> 1.783 - < 2.36
Isobutane		no data available
Propane		no data available
isopropanol		no data available
Imiprothrin	Koc	268
Cypermethrin	Koc	574360

12.5 PBT and vPvB assessment

Component	Results
Naphtha (petroleum), hydrotreated heavy	Not fulfilling PBT and vPvB criteria
Isobutane	Not fulfilling PBT and vPvB criteria
Propane	Not fulfilling PBT and vPvB criteria
isopropanol	Not fulfilling PBT and vPvB criteria
Imiprothrin	Not fulfilling PBT and vPvB criteria
Cypermethrin	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
14.1 UN number	1950	1950	1950
14.2 UN proper shipping name	UN 1950 AEROSOLS, Flammable, 2.1	UN 1950 AEROSOLS, Flammable, 2.1	UN 1950 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.

16. OTHER INFORMATION

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

Further information

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.