

## SAFETY DATA SHEET

(according to Regulation (EC) No. 2015/830)

### Raid® Fly & Wasp Killer

Version 4.0

Revision Date 21.08.2019

Print Date 10.11.2020

Specification Number: 350000012712

SITE FORM Number:  
30000000000000010437.002

#### SECTION 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 :

Telephone :

E-mail address :

1.4 Emergency telephone number :

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#### SECTION 2: HAZARDS IDENTIFICATION

##### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Hazard classification	Hazard category	Hazards identification
Aerosol	Category 1	Extremely flammable aerosol.
Long-term (chronic) aquatic hazard	Category 2	Toxic to aquatic life with long lasting effects.

##### 2.2 Label elements

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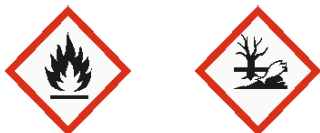
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Labelling according to Regulation (EC) No. 1272/2008 (CLP)

#### Hazard symbols



#### Signal word

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) 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.

(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.

(P501) Dispose of contents /container in accordance with local regulations.

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

(P260) Do not breathe spray.

(P264) Wash hands thoroughly after handling.

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

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

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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.

Store in a cool, dry place.

Exclude animals during application and prevent access to treated areas. (Only for CIK or MIK labels, not FIK)

**2.3 Other hazards** : Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.

**SECTION 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
isobutane	75-28-5 200-857-2	01-2119485395-27	Flammable gases Category 1 H220 Gases under pressure	>= 20.00 - < 30.00

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			H280	
Naphtha (petroleum), hydrotreated heavy	918-481-9	01-2119457273-39	Aspiration hazard Category 1 H304	$\geq 10.00 - < 20.00$
propane	74-98-6 200-827-9	01-2119486944-21	Flammable gases Category 1 H220 Gases under pressure  H280	$\geq 5.00 - < 10.00$
1R-trans phenothrin	26046-85-5	-	Short-term (acute) aquatic hazard Category 1 H400 Long-term (chronic) aquatic hazard  Category 1  H410  M-Factor Acute - 100  M-Factor Chronic - 100	$\geq 0.10 - < 0.50$
prallethrin	23031-36-9 245-387-9	Not required	Acute toxicity Category 4 H302 Acute toxicity Category 3	$\geq 0.10 - < 0.50$

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			H331 Short-term (acute) aquatic hazard Category 1 H400 Long-term (chronic) aquatic hazard Category 1 H410 M-Factor Acute - 100 M-Factor Chronic - 100	
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**Additional Information**

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

**SECTION 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.

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#### 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.
- 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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### SECTION 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.

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#### **SECTION 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** : Outside of normal use, avoid release to the environment.  
Prevent large amounts of 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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#### **SECTION 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.

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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)

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## SECTION 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.  
Nitrile gloves – Thickness 0.12mm; Breakthrough time >2 hours.  
The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 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.



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Environmental Exposure Controls : Refer to section 6.

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#### **SECTION 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
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

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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

#### 9.2 Other information

Other information : None identified :

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### SECTION 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** : None known.

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

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Name	Method	Species	Dose
Product	LD50 Measured	Rat	> 5,000 mg/kg

**Acute inhalation toxicity**

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

**Acute dermal toxicity**

Name	Method	Species	Dose
Product	LD50 Measured	Rat	> 5,000 mg/kg

**Acute oral toxicity**

Name	Method	Species	Dose
isobutane	LD50 estimated		> 2,000 mg/kg
Naphtha (petroleum), hydrotreated heavy	LD50	Rat	> 5,000 mg/kg
propane	LD50	Rat	> 2,000 mg/kg

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	estimated		
1R-trans phenothrin	LD50	Rat	> 2,000 mg/kg
prallethrin	LD50	Rat	417 mg/kg

**Acute inhalation toxicity**

Name	Method	Species	Dose	Exposure time
isobutane	LC50 (dust and mist)	Rat	658 mg/l	4 h
Naphtha (petroleum), hydrotreated heavy	LC50 (vapour)	Rat	23,775 mg/m <sup>3</sup>	4 h
propane	LC50 (vapour)	Rat	>800000 ppm	15 min
1R-trans phenothrin	LC50 (dust and mist)	Rat	> 2.1 mg/l	4 h
prallethrin	LC50 (dust and mist)	Rat	0.658 mg/l	4 h

**Acute dermal toxicity**

Name	Method	Species	Dose
isobutane	LD50 estimated		> 2,000 mg/kg
Naphtha (petroleum), hydrotreated heavy	LD50	Rabbit	> 2,000 mg/kg
propane	LD50 estimated	Rabbit	> 2,000 mg/kg

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1R-trans phenothrin	LD50	Rat	> 2,000 mg/kg
prallethrin	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.

#### SECTION 12: ECOLOGICAL INFORMATION

**Product** : The product itself has not been tested.

##### 12.1 Toxicity

##### Toxicity to fish

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Components	End point	Species	Value	Exposure time
isobutane	LC50 QSAR	Fish	27.98 mg/l	96 h
Naphtha (petroleum), hydrotreated heavy	LC50	Pimephales promelas (fathead minnow)	2,200 mg/l	96 h
propane	LC50	Fish	27.98 mg/l	96 h
1R-trans phenothrin	LC50	Oncorhynchus mykiss (rainbow trout)	0.0027 mg/l	96 h
	NOEC	Oncorhynchus mykiss (rainbow trout)	> 0.0011 mg/l	90 d
prallethrin	LC50	Oncorhynchus mykiss (rainbow trout)	0.012 mg/l	96 h
	NOEC flow-through test	Oncorhynchus mykiss (rainbow trout)	0.003 mg/l	90 d

**Toxicity to aquatic invertebrates**

Components	End point	Species	Value	Exposure time
isobutane	LC50 QSAR	Daphnid	16.33 mg/l	48 h
Naphtha (petroleum), hydrotreated heavy		Daphnia magna (Water flea)	> 1,000 mg/l	48 h

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propane	LC50	Daphnid	14.22 mg/l	48 h
1R-trans phenothrin	EC50	Daphnia (water flea)	0.0043 mg/l	48 h
	NOEC	Daphnia (water flea)	0.00047 mg/l	21 d
prallethrin	EC50	Daphnia magna (Water flea)	0.0062 mg/l	48 h
	NOEC	Daphnia magna	0.00065 mg/l	21 d

**Toxicity to aquatic plants**

Components	End point	Species	Value	Exposure time
isobutane	EC50 QSAR	Green algae	8.57 mg/l	96 h
Naphtha (petroleum), hydrotreated heavy	No data available	Pseudokirchneriella subcapitata (green algae)	> 1,000 mg/l	72 h
propane	EC50	Green algae	11.89 mg/l	96 h
1R-trans phenothrin	EbC50	Algae	> 0.011 mg/l	72 h
prallethrin	EC50	Pseudokirchneriella subcapitata (green algae)	2 mg/l	96 h

**12.2 Persistence and degradability**

Component	Biodegradation	Exposure time	Summary
isobutane	70 %	< 10 d	Readily biodegradable.

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Naphtha (petroleum), hydrotreated heavy	80 %	28 d	Readily biodegradable.
propane	70 %	< 10 d	Readily biodegradable.
1R-trans phenothrin	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	2.36
1R-trans phenothrin	2,506 - 3,192 Measured	6.8
prallethrin	No data available	4.49

**12.4 Mobility in soil**

Component	End point	Value
isobutane	No data available	
Naphtha (petroleum), hydrotreated heavy	log Koc	> 1.783 - < 2.36
propane	No data available	
1R-trans phenothrin	Koc	125893
prallethrin	No data available	



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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
1R-trans phenothrin	Not fulfilling PBT and vPvB criteria
prallethrin	Not fulfilling PBT and vPvB criteria

**12.6 Other adverse effects** : None known.**SECTION 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.

**SECTION 14: TRANSPORT INFORMATION**

	Land transport	Sea transport	Air transport
14.1 UN number	1950	1950	1950
14.2 UN proper shipping name	AEROSOLS, Flammable	AEROSOLS, Flammable	AEROSOLS, Flammable

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<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.

**SECTION 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.

**15.2 Chemical safety assessment** : Not required for consumer products.

**SECTION 16: OTHER INFORMATION**

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

**Key abbreviations or acronyms used**

EC - European Community  
EEC – European Economic Community  
CLP – Classification Labelling & Packaging  
EN – European Standard or European Norm  
PBT – Persistent, Bioaccumulative & Toxic  
vPvB – very persistent, very bioaccumulative  
UN – United Nations

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Unless otherwise stated in section 11, the procedure used to derive the human health classification is the relevant calculation method according to CLP regulation (EC) No 1272/2008 as amended.

Unless otherwise stated in section 12, the procedure used to derive the environmental classification is the summation of the classified components method according to CLP regulation (EC) No 1272/2008 as amended.

**Full text of H-Statements**

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.