Raid Fly, Wasp and Mosquito Killer (Eucalyptus)

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SAFETY DATA SHEET
(according to Regulation (EC) No. 1907/2006)
RAID Protector - Fly, Wasp & Mosquito Killer
Version 1.0 Print Date 31.07.2014
Revision Date 04.03.2014 Specification Number: 350000007944
SITE FORM Number:
30000000000000006983.003
1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1.1 Product identifier : RAID Protector - Fly, Wasp & Mosquito 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 : SC Johnson Ltd.
safety data sheet Frimley Green
Camberley
Surrey
GU16 7AJ
Telephone : +441276852000
E-mail address : ask.uk@scj.com
1.4 Emergency telephone : Consumer Care Center:
number 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.
Acute aquatic toxicity Category 1 Very toxic to aquatic life.
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

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Signal word
Danger
Active Ingredients (BPR)

Pyrethrins and Pyrethroids 0.25% (0.25g/100g)
2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether 1.05% (1.05g/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.
(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.
Additional Labelling
Caution
Use only as directed.
Store away from food, beverages and pet food.
Remove or cover terrariums, aquariums and animal cages before application.
Turn off aquarium air-filter during use.
Remove or cover food, food preparation equipment and eating utensils.
Do not spray onto people or pets.
Do not spray onto wall paper and keep spray at least 1 metre away from all surfaces and walls.
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
Chemical Name CAS-No./EC No Reg. No Classification according to Weight
Regulation (EC) No percent
1272/2008 (CLP)

Isobutane 75-28-5/200-857-2 01-2119485395-27 Flammable gases >= 20.00 - <
Category 1 30.00
H220
Gases under pressure
H280
Propane 74-98-6/200-827-9 01-2119486944-21 Flammable gases >= 5.00 - <
Category 1 10.00
H220
Gases under pressure
H280
2-(2-butoxyethoxy)ethyl 6- 51-03-6/200-076-7 - Chronic aquatic toxicity >= 1.00 - <

propylpiperonyl ether Category 1 5.00
H410
Acute aquatic toxicity
Category 1
H400
Distillates (petroleum), 64742-47-8/927- 01-2119457736-27 Aspiration hazard >= 0.10 - <
hydrotreated light 632-8 Category 1 0.50
H304
Pyrethrins and Pyrethroids 8003-34-7/232- - Acute aquatic toxicity >= 0.10 - <
319-8 Category 1 0.50
H400
Chronic aquatic toxicity
Category 1
H410
Acute toxicity
Category 4
H302
disodium 7558-79-4/231- - >= 0.10 - <
hydrogenorthophosphate 448-7 0.50
potassium 7778-77-0/231- - >= 0.10 - <
dihydrogenorthophosphate 913-4 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
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 : Heating may cause an explosion.
the substance or mixture 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, : Use personal protective equipment.
protective equipment and Remove all sources of ignition.
emergency procedures 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 : If damage occurs to aerosol can:
containment and cleaning up 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, : No smoking.
including any incompatibilities 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
Pyrethrins and Pyrethroids 8003-34-7 1 mg/m3 EUOEL_TWAS
1 mg/m3 UK_WELTWAS
3 mg/m3 UK_WELSTEL
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.
9. PHYSICAL AND CHEMICAL PROPERTIES
9.1 Information on basic physical and chemical properties
Appearance : aerosol
Colour : clear
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 : no data available
explosive limits
Vapour pressure : no data available
Vapour density : no data available
Relative density : no data available
Solubility(ies) : no data available
Partition coefficient: n- : no data available
octanol/water
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 : no data available
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 : None known.
reactions
10.4 Conditions to avoid : Heat, flames and sparks.
10.5 Incompatible materials : None known.
10.6 Hazardous decomposition : No decomposition if stored and applied as directed.
products
11. TOXICOLOGICAL INFORMATION
Information on toxicological effects
Acute oral toxicity
Name Method Species Dose
Product EU CLP LD50 rat > 5,000 mg/kg
Measured
Acute inhalation toxicity
Name Method Species Dose Exposure time
Product EU CLP LC50 (dust rat > 9.2 mg/l 4 h
and mist)
Measured
Acute dermal toxicity
Name Method Species Dose
Product EU CLP LD50 rabbit > 2,000 mg/kg
Measured
2-(2-butoxyethoxy)ethyl 6- EU CLP LD50 rat 5,630 mg/kg

propylpiperonyl ether
Distillates (petroleum), EU CLP LD50 rat > 5,000 mg/kg
hydrotreated light
Pyrethrins and Pyrethroids EU CLP LD50 rat 1,400 mg/kg
disodium EU CLP LD50 rat > 2,000 mg/kg
hydrogenorthophosphate
potassium LD50 mouse 1,700 mg/kg
dihydrogenorthophosphate
Acute inhalation toxicity
Name Method Species Dose Exposure time

Isobutane LC50 rat 658 mg/l 4 h
Propane LC50 rat 658 mg/l 4 h
2-(2-butoxyethoxy)ethyl 6- EU CLP LC50 (dust rat > 5.9 mg/l 4 h
propylpiperonyl ether and mist)
Distillates (petroleum), EU CLP LC50 (vapour) rat > 5.28 mg/l 4 h
hydrotreated light
Pyrethrins and Pyrethroids EU CLP LC50 (dust rat > 3.4 mg/l 4 h
and mist)
disodium EU CLP LC50 (dust rat > 0.83 mg/l 4 h
hydrogenorthophosphate and mist)
potassium EU CLP LC50 (dust rat > 0.83 mg/l 4 h
dihydrogenorthophosphate and mist)
Acute dermal toxicity
Name Method Species Dose
2-(2-butoxyethoxy)ethyl 6- EU CLP LD50 rabbit > 2,000 mg/kg
propylpiperonyl ether
Distillates (petroleum), EU CLP LD50 rabbit > 2,000 mg/kg
hydrotreated light
Pyrethrins and Pyrethroids EU CLP LD50 rabbit > 2,000 mg/kg
disodium EU CLP LD50 rat > 2,000 mg/kg
hydrogenorthophosphate
potassium EU CLP LD50 rat > 2,000 mg/kg
dihydrogenorthophosphate
Skin corrosion/irritation : Based on available data, the classification criteria are not met.
Serious eye damage/eye : Based on available data, the classification criteria are not met.
irritation
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	
Propane	No classification proposed		No classification proposed	
2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether	Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.	1	Very toxic to aquatic life	1
Distillates (petroleum), hydrotreated light	No classification proposed		No classification proposed	
Pyrethrins and Pyrethroids	Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.	100	Very toxic to aquatic life	100
disodium hydrogenorthophosphate	No classification proposed		No classification proposed	
potassium dihydrogenorthophosphate	No classification proposed		No classification proposed	

12.2 Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Isobutane	70 %	< 10 d	Readily biodegradable.
Propane	70 %	< 10 d	Readily biodegradable.
2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether	4 %	28 d	Not readily biodegradable.
Distillates (petroleum), hydrotreated light	74 %	28 d	Readily biodegradable.
Pyrethrins and Pyrethroids	no data available		
disodium hydrogenorthophosphate	no data available		
potassium dihydrogenorthophosphate	no data available		

12.3 Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Isobutane	1.57 - 1.97	2.8
Propane	no data available	1.81
2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether	91 - 380	4.8

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propylpiperonyl ether
Distillates (petroleum), 61 - 159 no data available
hydrotreated light
Pyrethrins and Pyrethroids no data available no data available
disodium no data available no data available
hydrogenorthophosphate
potassium no data available no data available
dihydrogenorthophosphate
12.4 Mobility
Component End point Value
Isobutane no data available
Propane no data available
2-(2-butoxyethoxy)ethyl 6- no data available
propylpiperonyl ether
Distillates (petroleum), no data available
hydrotreated light
Pyrethrins and Pyrethroids no data available
disodium no data available
hydrogenorthophosphate
potassium no data available
dihydrogenorthophosphate
12.5 PBT and vPvB assessment
Component Results
Isobutane Not fulfilling PBT and vPvB criteria
Propane Not fulfilling PBT and vPvB criteria
2-(2-butoxyethoxy)ethyl 6- Not fulfilling PBT and vPvB criteria
propylpiperonyl ether
Distillates (petroleum), Not fulfilling PBT and vPvB criteria
hydrotreated light
Pyrethrins and Pyrethroids Not fulfilling PBT and vPvB criteria
disodium Not fulfilling PBT and vPvB criteria
hydrogenorthophosphate
potassium Not fulfilling PBT and vPvB criteria
dihydrogenorthophosphate
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

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.

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.