

Safety Data Sheet

According to Australian CoP Preparation of Safety Data Sheets for Hazardous Chemicals, Feb 2016 and New Zealand HSNO CoP 8-1 09-06



Raid Auto Advncd DIY Exprt Pri 305g/3 AU

Version 1.0

Print Date 09.11.2017

Revision Date 04.07.2017

SDS Number 350000012013

1. PRODUCT AND COMPANY IDENTIFICATION

- Product identifier** : Raid Auto Advncd DIY Exprt Pri 305g/3 AU
- Other means of Identification** : 350000012013
- Recommended use** : Insecticide
- Restrictions on use** : Use only as directed on label
- Australia** : S.C. Johnson & Son Pty. Ltd.
ABN 71. 000 021 009
160 Epping Road, Lane Cove, N.S.W. 2066. Australia
Telephone: +61 2 9428 9111
- New Zealand** : S.C. Johnson & Son Pty. Ltd
79 Queen Street
Auckland 1010
New Zealand
Telephone: +64 9 573 2850
- Emergency telephone numbers** : Australia: (8:30am – 17:30pm Mon-Thurs, 8:30am – 17:00pm Fri AEST)
+61 2 9428 9111
New Zealand: (9:00am – 14:00pm Mon-Fri NZDT) +64 9 573 2850
- Poison Information Contacts** : Australia: 13 11 26
New Zealand : 0800 764 766 or 0800 POISON

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Statement of Hazardous Nature (Australia)

Globally Harmonized System (GHS) Classification

Hazard classification	Hazard category	Hazards identification
Aerosol	Category 1	Extremely flammable aerosol.
Acute toxicity	Category 5 *	May be harmful in contact with skin.
Acute aquatic toxicity	Category 1 *	Very toxic to aquatic life.
Chronic aquatic toxicity	Category 1 *	Very toxic to aquatic life with long lasting

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		effects.
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* Classification not adopted by Australia

^ Classification only triggered in Australia if 'Schedule 6 of WHS Regulations' met. Contact SCJ Consumer Advice number listed on product label if required.

Statement of Hazardous Nature (New Zealand)

HSNO Classification (NZ): : 2.1.2A
6.3B, 6.4A, 6.5A, 6.5B, 6.9B
9.1A, 9.4A

Labelling - Australia **

Hazard symbols



Flame
Environment

Signal word
Danger

Hazard statements

(H222) Extremely flammable aerosol.
(H229) Pressurised container: May burst if heated.
(H313) May be harmful in contact with skin.
(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.
(P501) Dispose of contents/ container to an approved incineration plant.
(P210) Keep away from heat/sparks/open flames/hot surfaces. No smoking.
(P211) Do not spray on an open flame or other ignition source.

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

** The information supplied is designed for products predominately used in workplaces; whereas consumer product labels comply with the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) labelling requirements, under The Australian CoP Labelling of Workplace Hazardous Chemicals (March 2015).

Labelling- New Zealand



Flame
Corrosion
Health hazard

Signal word
Danger

Hazard statements

- (H222) Extremely flammable aerosol.
- (H229) Pressurised container: May burst if heated.
- (H316) Causes mild skin irritation.
- (H318) Causes serious eye damage.
- (H334) May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- (H317) May cause an allergic skin reaction.
- (H371) May cause damage to organs if swallowed.
- (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.
- (P310) Immediately call a POISON CENTER/doctor.
- (P302 + P352) IF ON SKIN: Wash with plenty of soap and water.
- (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 to an approved incineration plant.
- (P210) Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- (P211) Do not spray on an open flame or other ignition source.

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(P251) Pressurized container: Do not pierce or burn, even after use.
(P280) Wear protective gloves.
(P280) Wear eye protection.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Weight percent
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	64742-48-9	10.00 - 20.00
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	64742-48-9	10.00 - 20.00
Piperonyl butoxide	51-03-6	5.00 - 10.00
Pyrethrum	8003-34-7	1.00 - 5.00
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-47-8	1.00 - 5.00
Butylated hydroxytoluene (BHT)	128-37-0	0.10 - 0.50
Other non-hazardous ingredients	various	Balance to 100

4. FIRST AID MEASURES

Description of first aid measures

Eye contact : No special requirements

Skin contact : No special requirements

Inhalation : No special requirements.

Ingestion : No special requirements

Most important symptoms and effects, both acute and delayed

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

- Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards arising from substance** : Do not use a solid water stream as it may scatter and spread fire. Aerosol Product - Containers may rocket or explode in heat of fire. Do not allow run-off from fire fighting to enter drains or water courses.
- Special protective equipment and precautions for fire fighters** : Fight fire from maximum distance or protected area. Cool and use caution when approaching or handling fire-exposed containers. Wear full protective clothing and positive pressure self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures** : Remove all sources of ignition.
Wear personal protective equipment.
Wash thoroughly after handling.
- Environmental precautions** : Do not flush into surface water or sanitary sewer system.
Use appropriate containment to avoid environmental contamination.
Outside of normal use, avoid release to the environment.
- Methods and materials for containment and cleaning up** : If damage occurs to aerosol can:
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Use only non-sparking equipment.
Dike large spills.
Clean residue from spill site.

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7. HANDLING AND STORAGE

Handling

Precautions for safe handling : Avoid contact with skin, eyes and clothing.
Do not enter places where used or stored until adequately ventilated.
For personal protection see section 8.
Use only as directed.
KEEP OUT OF REACH OF CHILDREN AND PETS.
Pressurized container.
Do not pierce or burn, even after use.

Advice on protection against fire and explosion : Keep away from sources of ignition - No smoking.
Do not spray on an open flame or other ignition source.

Storage

Requirements for storage areas and containers : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
Keep away from food, drink and animal feedingstuffs.
Keep in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Components	CAS-No.	mg/m3	ppm	Non-standard units	Basis
Pyrethrum	8003-34-7	5 mg/m3	-	-	AU_OESTWAS
Pyrethrum	8003-34-7	5 mg/m3	-	-	NZ_WELTWA
Butylated hydroxytoluene (BHT)	128-37-0	10 mg/m3	-	-	AU_OESTWAS
Butylated hydroxytoluene (BHT)	128-37-0	10 mg/m3	-	-	NZ_WELTWA

Personal protective equipment

Respiratory protection : Do not spray in enclosed areas.

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Hand protection	:	No special requirements.
Eye protection	:	No special requirements.
Skin and body protection	:	No special requirements.
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	aerosol
Color	:	yellow
Odor	:	characteristic
Odour Threshold	:	No data available
pH	:	Not applicable
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	54 °C 129.2 °F
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available

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Upper/lower flammability or explosive limits : not determined

Vapour pressure : No data available

Vapour density : No data available

Relative density : No data available

Solubility(ies) : immiscible

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

Oxidizing properties : No data available

Other information : None identified

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10. STABILITY AND REACTIVITY

- Reactivity** : No dangerous reaction known under conditions of normal use.
- Chemical stability** : No decomposition if stored normally.
- Possibility of hazardous reactions** : Stable under recommended storage conditions.
- Conditions to avoid** : Heat, flames and sparks.
- Incompatible materials** : Strong oxidizing agents
None known.
- Hazardous decomposition products** : Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

- Acute oral toxicity** : LD50 > 5000 mg/kg
- Acute inhalation toxicity** : LC50 > 5.1 mg/L
- Acute dermal toxicity** : LD50 2021 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral
Acute toxicity	Category 5*	Dermal
Acute toxicity	No classification proposed	Inhalation - Dust and Mist
Acute toxicity	No classification proposed	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Gas

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Skin corrosion/irritation	No classification proposed	-
Serious eye damage/eye irritation	No classification proposed	-
Skin sensitisation [^]	No classification proposed	-
Respiratory sensitisation [^]	No classification proposed	-
Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-
Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

Aggravated Medical Condition : None known.

* Classification not adopted by Australia

[^] Classification only triggered in Australia if 'Schedule 6 of WHS Regulations' met. Contact SCJ Consumer Advice number listed on product label if required.

12. ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

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Toxicity

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

Toxicity to fish

Components	End point	Species	Value	Exposure time
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	LC50	Pimephales promelas (fathead minnow)	2,200 mg/l	96 h
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	LC0	Oncorhynchus mykiss (rainbow trout)	1,000 mg/l	96 h
Piperonyl butoxide	LC50	Cyprinodon variegatus (sheepshead minnow)	3.94 mg/l	96 h
	flow-through test NOEC	Pimephales promelas (fathead minnow)	0.18 mg/l	35 d
Pyrethrum	LC50	Oncorhynchus mykiss (rainbow trout)	0.0052 mg/l	96 h
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	LC50	Fish	> 1,028 mg/l	96 h
Butylated hydroxytoluene (BHT)	LC50	Danio rerio (zebra fish)	> 0.57 mg/l	42 d
	flow-through test NOEC	Oryzias latipes	0.053 mg/l	

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	EC50	Daphnia magna (Water flea)	< 100 mg/l	48 h

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Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	EC0	Daphnia magna (Water flea)	1,000 mg/l	48 h
Piperonyl butoxide	flow-through test EC50 Calculated flow-through test NOEC Measured	Crassotrea virginica	0.23 mg/l	96 h
		Daphnia magna	0.03 mg/l	21 d
Pyrethrum	NOEC	Daphnia magna (Water flea)	0.00086 mg/l	21 d
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	EC50	Daphnid	> 3,193 mg/l	48 h
Butylated hydroxytoluene (BHT)	EC50 semi-static test NOEC	Daphnia magna (Water flea)	0.48 mg/l	48 h
		Daphnia magna	0.023 mg/l	21 d

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	No data available			
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	EC0	Pseudokirchneriella subcapitata (green algae)	1,000 mg/l	72 h
Piperonyl butoxide	EC50 Calculated	Selenastrum capricornutum,	0.17 mg/l	72 h

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	d	Skeletonema costatum		
Pyrethrum	No data available			
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	EC50	Skeletonema costatum	> 3,198 mg/l	72 h
Butylated hydroxytoluene (BHT)	IC50	Desmodesmus subspicatus (green algae)	> 0.4 mg/l	72 h

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	31.3 %	28 d	Not readily biodegradable.
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	31.3 %	28 d	Not readily biodegradable.
Piperonyl butoxide			Not readily biodegradable.
Pyrethrum	No data available		Not readily biodegradable.
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	74 %	28 d	Readily biodegradable.
Butylated hydroxytoluene (BHT)	4.5 %	28 d	Not readily biodegradable.

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	No data available	5.8 - 7.6
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	No data available	No data available
Piperonyl butoxide	91 - 380	4.8
Pyrethrum	471	5.9

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Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	61 - 159	No data available
Butylated hydroxytoluene (BHT)	598 Calculated	5.1 Measured

Mobility

Component	End point	Value
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	log Koc	> 1.783 - < 2.36
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	log Koc	> 1.783 - < 2.36
Piperonyl butoxide	Koc	599
Pyrethrum	Koc	35171
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	No data available	
Butylated hydroxytoluene (BHT)	Koc	23030

PBT and vPvB assessment

Component	Results
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	Not fulfilling PBT and vPvB criteria
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	Not fulfilling PBT and vPvB criteria
Piperonyl butoxide	Not fulfilling PBT and vPvB criteria
Pyrethrum	Not fulfilling PBT and vPvB criteria
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	Not fulfilling PBT and vPvB criteria
Butylated hydroxytoluene (BHT)	Not fulfilling PBT and vPvB criteria

Other adverse effects : None known.

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13. DISPOSAL CONSIDERATIONS

- Safe handling and disposal methods : PESTICIDAL WASTE:
For disposal information, please read and follow Disposal instructions on the pesticide label.
Consumer may discard empty container in trash, or recycle where facilities exist.
- Disposal of any contaminated packaging : Do not re-use empty containers.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

	Land transport [§]	Sea transport	Air transport
UN number	1950	1950	1950
UN proper shipping name	AEROSOLS, Flammable	AEROSOLS, Flammable	AEROSOLS, Flammable
Transport hazard class(es)	2.1	2	2.1
Packing group	-	-	-
Environmental hazards	-	-	-
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.
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.

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§ Land transport: Classification based on UN Recommendations on the Transport of Dangerous Goods. Local regulations under the Australian Dangerous Goods Code (ADG) and/or the New Zealand Land Transport Rule Dangerous Goods should be applied prior to transportation of goods.

15. REGULATORY INFORMATION

Poisons Schedule (Australia): : NOT SCHEDULED

HSNO Classification (NZ): : 2.1.2A
6.3B, 6.4A, 6.5A, 6.5B, 6.9B
9.1A, 9.4A

HSNO Approval Number (NZ): : HSR100020

16. OTHER INFORMATION

Revision Date: 04.07.2017

Key abbreviations or acronyms used

ADG: The Australian Code for the Transport of Dangerous Goods by Road and Rail

NZ LTR: The New Zealand Land Transport Rule: Dangerous Goods 2005

HSNO: Hazardous Substances and New Organisms Act 1996 (New Zealand)

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods

SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons (Australia)

Further information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

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