

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



Duck Liquid Rim Block - Pine

Version 1.1

Print Date 28.04.2021

Revision Date 02.05.2019

SDS Number 350000010660

GEN_SOF Number 65815

1. PRODUCT AND COMPANY IDENTIFICATION

- Product identifier** : Duck Liquid Rim Block - Pine
- Other means of Identification** : 350000010660
- Recommended use** : Toilet Cleaner
- 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
Skin irritation	Category 3	Causes mild skin irritation.
Serious eye damage	Category 1	Causes serious eye damage.
Skin sensitisation [^]	Category 1	May cause an allergic skin reaction.

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Long-term (chronic) aquatic hazard	Category 3*	Harmful to aquatic life with long lasting 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): : 6.3B, 8.3A, 6.5B
9.1C

Labelling - Australia **

Hazard symbols



Corrosion
Exclamation mark

Signal word
Danger

Hazard statements

(H316) Causes mild skin irritation.
(H318) Causes serious eye damage.
(H317) May cause an allergic skin reaction.
(H412) Harmful 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.

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(P305 + P351 + P338) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

(P501) Dispose of contents/ container to an approved incineration plant.

(P280) Wear protective gloves.

(P280) Wear eye protection.

Other hazards : None identified

** 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

Refer Australian labelling above.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Weight percent
Sodium lauryl ether sulfate	68891-38-3	10.00 - 20.00
Alcohols, C13-15-branched and linear, ethoxylated EO=8	157627-86-6	5.00 - 10.00
Dipropylene glycol	25265-71-8	1.00 - 5.00
2,6-dimethyloct-7-en-2-ol	18479-58-8	1.00 - 5.00
1-(Octahydro-Tetramethyl-2-Naphthyl)Ethan-1-one	54464-57-2	0.10 - 0.50
Octabenzene	1843-05-6	0.10 - 0.50
2-METHYLUNDECANAL	110-41-8	0.10 - 0.50
Bronopol	52-51-7	0.00 - 0.10
Other non-hazardous ingredients	various	Balance to 100

4. FIRST AID MEASURES

Description of first aid measures

Eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Skin contact : Wash off with plenty of water. If skin irritation or rash occurs: Get medical advice/ attention.

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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.

5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards arising from substance : Container may melt and leak in heat of fire.

Special protective equipment and precautions for fire fighters : Fight fire with normal precautions from a reasonable distance. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Wear personal protective equipment.
Wash thoroughly after handling.

Environmental precautions : Outside of normal use, avoid release to the environment.

Methods and materials for containment and cleaning up : 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. For personal protection see section 8. Use only as directed. KEEP OUT OF REACH OF CHILDREN AND PETS. Contaminated work clothing should not be allowed out of the workplace. Avoid breathing vapours, mist or gas.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Storage

Requirements for storage areas and containers : Keep container closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

Personal protective equipment

Respiratory protection : No special requirements.

Hand protection : Wear suitable gloves.

Eye protection : Wear splash-resistant Chemical goggles.

Skin and body protection : No special requirements.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	liquid
Color	:	light green
Odor	:	green
Odour Threshold	:	Test not applicable for this product type
pH	:	4.8
Melting point/freezing point	:	0 °C
Initial boiling point and boiling range	:	> 100 °C
Flash point	:	does not flash
Evaporation rate	:	
Flammability (solid, gas)	:	Does not sustain combustion.
Upper/lower flammability or explosive limits	:	Test not applicable for this product type
Vapour pressure	:	Test not applicable for this product type
Vapour density	:	Test not applicable for this product type
Relative density	:	1.03 g/cm ³ at 20 °C

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Solubility(ies)	:	soluble	:
Partition coefficient: n-octanol/water	:	Test not applicable for this product type	:
Auto-ignition temperature	:	Test not applicable for this product type	:
Decomposition temperature	:	Test not applicable for this product type	:
Viscosity, dynamic	:	2,500 mPa.s at 20 °C	:
Viscosity, kinematic	:	Test not applicable for this product type	:
Oxidizing properties	:		:
Other information	:	None identified	:

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	:	Direct sources of heat.	:
Incompatible materials	:	None known.	:

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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 > 5000 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral
Acute toxicity	No classification proposed	Dermal
Acute toxicity	No classification proposed	Inhalation - Dust and Mist
Acute toxicity	No classification proposed	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Gas
Skin irritation	Category 3	-
Skin irritation	No classification proposed	-
Serious eye damage	Category 1	-
Serious eye damage	No classification proposed	-
Skin sensitisation [^]	Category 1	-
Skin sensitisation [^]	No classification proposed	-

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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.

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
Sodium lauryl ether sulfate	LC50	Fish	7.1 mg/l	96 h

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	flow-through test NOEC	Oncorhynchus mykiss (rainbow trout)	0.14 mg/l	28 d
Alcohols, C13-15-branched and linear, ethoxylated EO=8	LC50	Oncorhynchus mykiss (rainbow trout)	> 1 - < 10 mg/l	48 h
Dipropylene glycol	static test LC50 Read-across (Analogy)	Pimephales promelas (fathead minnow)	46,500 mg/l	96 h
2,6-dimethyloct-7-en-2-ol	static test LC50 Read-across (Analogy)	Oncorhynchus mykiss (rainbow trout)	27.8 mg/l	96 h
1-(Octahydro-Tetramethyl-2-Naphthyl)Ethan-1-one	static test LC50 flow-through test NOEC	Lepomis macrochirus (Bluegill sunfish)	1.3 mg/l	96 h
		Danio rerio (zebra fish)	0.16 mg/l	30 d
Octabenzene	static test LC50	Danio rerio (zebra fish)	> 100 mg/l	96 h
2-METHYLUNDECANAL	semi-static test LC50	Oncorhynchus mykiss (rainbow trout)	0.35 mg/l	96 h
Bronopol	flow-through test LC50	Lepomis macrochirus	35.7 mg/l	96 h

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Sodium lauryl ether sulfate	EC50	Daphnia magna (Water	7.2 mg/l	48 h

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	NOEC	flea) Daphnia magna	0.27 mg/l	21 d
Alcohols, C13-15-branched and linear, ethoxylated EO=8	EC50	Daphnia magna (Water flea)	> 1 - < 10 mg/l	48 h
Dipropylene glycol	static test EC50	Daphnia magna (Water flea)	> 100 mg/l	48 h
2,6-dimethyloct-7-en-2-ol	static test EC50	Daphnia magna (Water flea)	38 mg/l	48 h
	NOEC Read-across (Analogy)	Daphnia magna	9.5 mg/l	21 d
1-(Octahydro-Tetramethyl-2-Naphthyl)Ethan-1-one	static test EC50	Daphnia magna (Water flea)	1.38 mg/l	48 h
	Measured flow-through test NOEC	Daphnia magna	0.028 mg/l	21 d
Octabenzene	EC50 Measured	Daphnia magna (Water flea)	52 mg/l	24 h
2-METHYLUNDECANAL	semi-static test EC50	Daphnia magna (Water flea)	0.21 mg/l	48 h
Bronopol	static test EC50	Daphnia magna (Water flea)	1.4 mg/l	48 h
	flow-through	Daphnia	0.27 mg/l	21 d

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	test NOEC			
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Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Sodium lauryl ether sulfate	EC50	Algae	7.5 mg/l	96 h
Alcohols, C13-15-branched and linear, ethoxylated EO=8	EC50	Desmodesmus subspicatus (green algae)	> 1 - < 10 mg/l	72 h
Dipropylene glycol	EC50	Desmodesmus subspicatus (green algae)	> 100 mg/l	72 h
2,6-dimethyloct-7-en-2-ol	static test EC50	Desmodesmus subspicatus (green algae)	80 mg/l	72 h
1-(Octahydro-Tetramethyl-2-Naphthyl)Ethan-1-one	NOEC	Desmodesmus subspicatus (green algae)	2.6 mg/l	72 h
Octabenzene	EC50	Desmodesmus subspicatus (green algae)	> 100 mg/l	72 h
2-METHYLUNDECANAL	static test EC50	Pseudokirchneriella subcapitata (green algae)	0.18 mg/l	72 h
Bronopol	static test NOEC	Pseudokirchneriella subcapitata (green algae)	0.1 mg/l	72 h

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Sodium lauryl ether sulfate	No data available		
Alcohols, C13-15-branched and linear, ethoxylated EO=8	60 %	28 d	Readily biodegradable.
Dipropylene glycol	84.4 %	28 d	Readily biodegradable.
2,6-dimethyloct-7-en-2-ol	72 %	28 d	Readily biodegradable.
1-(Octahydro-Tetramethyl-2-	0 %	28 d	Not readily

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Naphthyl)Ethan-1-one			biodegradable.
Octabenzene	5 %	28 d	Not readily biodegradable.
2-METHYLUNDECANAL	68 %	22 d	Readily biodegradable.
Bronopol	70 - 80 %	28 d	Readily biodegradable.

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Sodium lauryl ether sulfate	No data available	0.3
Alcohols, C13-15-branched and linear, ethoxylated EO=8	No data available	No data available
Dipropylene glycol	0.3 - 1.4	-0.462
2,6-dimethyloct-7-en-2-ol	64.8 QSAR	3
1-(Octahydro-Tetramethyl-2-Naphthyl)Ethan-1-one	850 Measured	5.18 - 6.86
Octabenzene	89 - 190 Measured	7.6 Calculated
2-METHYLUNDECANAL	No data available	4.9
Bronopol	3.19 QSAR	0.22

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Mobility

Component	End point	Value
Sodium lauryl ether sulfate	No data available	
Alcohols, C13-15-branched and linear, ethoxylated EO=8	No data available	
Dipropylene glycol	No data available	
2,6-dimethyloct-7-en-2-ol	log Koc	2.25
1-(Octahydro-Tetramethyl-2-Naphthyl)Ethan-1-one	No data available	
Octabenzene	Koc	63750 Calculated
2-METHYLUNDECANAL	log Koc	3.6
Bronopol	Koc	36.8 - 1486 Measured

PBT and vPvB assessment

Component	Results
Sodium lauryl ether sulfate	Not fulfilling PBT and vPvB criteria
Alcohols, C13-15-branched and linear, ethoxylated EO=8	Not fulfilling PBT and vPvB criteria
Dipropylene glycol	Not fulfilling PBT and vPvB criteria
2,6-dimethyloct-7-en-2-ol	Not fulfilling PBT and vPvB criteria
1-(Octahydro-Tetramethyl-2-Naphthyl)Ethan-1-one	Not fulfilling PBT and vPvB criteria
Octabenzene	Not fulfilling PBT and vPvB criteria
2-METHYLUNDECANAL	Not fulfilling PBT and vPvB criteria
Bronopol	Not fulfilling PBT and vPvB criteria

Other adverse effects : None known.

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13. DISPOSAL CONSIDERATIONS

Safe handling and disposal methods : 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

Not classified as dangerous in the meaning of transport regulations.

Sea transport

Not classified as dangerous in the meaning of transport regulations.

Air transport

Not classified as dangerous in the meaning of transport regulations.

[§] **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): : 6.3B, 8.3A, 6.5B
9.1C

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HSNO Approval Number (NZ): : Cleaning Products (Subsidiary Hazard) Group 2017 - HSR002530

16. OTHER INFORMATION

Revision Date: 02.05.2019

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

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Prepared by

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