DUCK® Liquid – Ocean (Professional)

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300000000000000006707.005

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier : DUCK® Liquid – Ocean (Professional)

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Washing and cleaning products (including solvent based products)

Uses advised against : None known.

1.3 Details of the supplier of the safety data sheet : SC Johnson Ltd.
Frimley Green
Camberley

GU16 7AJ

Telephone : +441276852000

E-mail address : ask.uk@scj.com

1.4 Emergency telephone number : Consumer Care Center:
UK - 0800 353 353
Ireland - 1800 409 176

SECTION 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)

This product does not meet the criteria for classification in any hazard class according to regulation (EC) 1272/2008.

2.2 Label elements

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

Active Ingredients (BPR)
l-(+)-lactic acid 2.02% (2.02g/100g)
Precautionary statements
(P102) Keep out of reach of children.
(P264) Wash hands thoroughly after handling.
(P305 + P351 + P338) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
(P301 + P312) IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

Additional Labelling
As with any household product avoid prolonged skin contact with this product
For use only in toilet bowls.
Do not mix with bleach or any other household cleaners.
For professional users only.
Safety data sheet available for professional user on request.

Detergents regulations :
Contains
< 5% Anionic surfactants, non-ionic surfactants, Disinfectants, perfume

2.3 Other hazards : None identified

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
l-(+)-lactic acid	79-33-4 201-196-2	01-2119474164-39	Skin corrosion/irritation Category 2 H315 Serious eye damage/eye irritation Category 1 H318	>= 1.00 - < 5.00
Alcohols, C13-15-branched and linear, ethoxylated EO=8	157627-86-6 500-337-8	02-2119548515-35-0000	Chronic aquatic toxicity Category 3 H412	>= 0.50 - < 1.00

			Serious eye damage Category 1 H318 Acute toxicity Category 4 H302	

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	:	No special requirements
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	:	No adverse effects expected when used as directed.
Skin effect	:	No adverse effects expected when used as directed.
Inhalation	:	Do not mix with bleach or any other household cleaners. May cause respiratory tract irritation. 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.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable	:	None identified
5.2 Special hazards arising from 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.
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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment.
6.2 Environmental precautions	:	Outside of normal use, avoid release to the environment. Use appropriate containment to avoid environmental contamination. Prevent large amounts of product from entering drains. Prevent further leakage or spillage if safe to do so.
6.3 Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Clean residue from spill site. Keep in suitable, closed containers for disposal.
6.4 Reference to other sections	:	For personal protection see section 8. For disposal considerations see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling	:	For personal protection see section 8. Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities	:	Do not freeze. Keep out of the reach of children. No decomposition if stored and applied as directed.
7.3 Specific end use(s)	:	Professional uses: Public domain (administration, education, entertainment, services, craftsmen) Washing and cleaning products (including solvent based products)

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 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	:	Wear suitable protective clothing. 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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	:	liquid
Colour	:	blue

Odour	:	Marine/Ozone
Odour Threshold	:	Test not applicable for this product type
pH	:	2.2 - 2.6
Melting point/freezing point	:	Test not applicable for this product type
Initial boiling point and boiling range	:	Test not applicable for this product type
Flash point	:	does not flash
Evaporation rate	:	Test not applicable for this product type
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	:	1.003 - 1.007 g/cm3 at 20 °C
Solubility(ies)	:	completely 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	:	1,300 - 1,900 mPa.s
Viscosity, kinematic	:	Test not applicable for this product type
Explosive properties	:	Test not applicable for this product type
Oxidizing properties	:	Test not applicable for this product type
Other information	:	None identified

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SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	:	Do not mix with bleach or any other household cleaners.
10.2 Chemical stability	:	Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions	:	Do not mix with bleach or any other household cleaners.
10.4 Conditions to avoid	:	Extremes of temperature and direct sunlight.
10.5 Incompatible materials	:	Do not mix with bleach or any other household cleaners.
10.6 Hazardous decomposition products	:	No decomposition if stored and applied as directed.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute oral toxicity

Name	Method	Species	Dose
Product	LD50 Calculated		> 2,000 mg/kg

Acute inhalation toxicity

Name	Method	Species	Dose	Exposure time
Product	LC50 (vapour) Calculated		> 20 mg/l	

Acute dermal toxicity

Name	Method	Species	Dose
Product	LD50 Calculated		> 2,000 mg/kg

Acute oral toxicity

Name	Method	Species	Dose
l-(+)-lactic acid	LD50	Rat	3,543 mg/kg

Alcohols, C13-15-branched and linear, ethoxylated EO=8	No data available		

Acute inhalation toxicity

Name	Method	Species	Dose	Exposure time
l-(+)-lactic acid	LC50 (dust and mist)	Rat	> 7.94 mg/l	4 h
Alcohols, C13-15-branched and linear, ethoxylated EO=8	No data available			

Acute dermal toxicity

Name	Method	Species	Dose
l-(+)-lactic acid	LD50	Rabbit	> 2,000 mg/kg
Alcohols, C13-15-branched and linear, ethoxylated EO=8	No data available		

Skin corrosion/irritation : Based on available data, the classification criteria are not met.

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.

SECTION 12: ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

12.1 Toxicity

Toxicity to fish

Components	End point	Species	Value	Exposure time
l-(+)-lactic acid	LC50 static test	Oncorhynchus mykiss (rainbow trout)	100 - 180 mg/l	96 h
Alcohols, C13-15-branched and linear, ethoxylated EO=8	LC50	Oncorhynchus mykiss (rainbow trout)	> 1 - < 10 mg/l	48 h

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
l-(+)-lactic acid	EC50 static test	Daphnia magna (Water flea)	130 mg/l	48 h
Alcohols, C13-15-branched and linear, ethoxylated EO=8	EC50	Daphnia magna (Water flea)	> 1 - < 10 mg/l	48 h

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
l-(+)-lactic acid	EC50 static test	Pseudokirchneriella subcapitata (green algae)	> 2,800 mg/l	72 h
Alcohols, C13-15-branched and linear, ethoxylated EO=8	EC50	Desmodesmus subspicatus (green algae)	> 1 - < 10 mg/l	72 h

12.2 Persistence and degradability

Component	Biodegradation	Exposure time	Summary
l-(+)-lactic acid	67 %	20 d	Readily biodegradable
Alcohols, C13-15-branched and linear, ethoxylated EO=8	60 %	28 d	Readily biodegradable

12.3 Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
l-(+)-lactic acid	No data available	-0.62
Alcohols, C13-15-branched and linear, ethoxylated EO=8	No data available	No data available

12.4 Mobility in soil

Component	End point	Value
l-(+)-lactic acid	log Koc	< 1.32
Alcohols, C13-15-branched and linear, ethoxylated EO=8	No data available	

12.5 Results of PBT and vPvB assessment

Component	Results
l-(+)-lactic acid	Not fulfilling PBT and vPvB criteria
Alcohols, C13-15-branched and linear, ethoxylated EO=8	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
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.

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.

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

Evaluation methods

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

H302	Harmful if swallowed.
H315	Causes skin irritation.

H318	Causes serious eye damage.
H412	Harmful 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.