

SAFETY DATA SHEET

(according to Regulation (EC) No. 1907/2006)



DUCK Liquid 4 in 1 - Marine

Version 1.3
Revision Date 02.11.2010

Print Date 02.11.2010
MSDS Number 350000007630

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product information

Product name : DUCK Liquid 4 in 1 - Marine

Use of the Substance/Mixture : Toilet Cleaner

Company : SC Johnson Ltd.
Frimley Green
Camberley
Surrey
GU16 7AJ

Telephone : +441276852000

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

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

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment

Not classified as dangerous according to Dangerous Preparations Directive (99/45/EC) & amendments.

Eyes : May irritate eyes.
No adverse effects expected when used as directed.

Skin effect : May irritate skin.
No adverse effects expected when used as directed.

Inhalation : No adverse effects expected when used as directed.

Ingestion : May cause abdominal discomfort.
No adverse effects expected when used as directed.

Potential environmental effects : Not classified as Environmentally Hazardous according to Directive 1999/45/EC, as amended.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical Name	CAS-No. EINECS-No.	Symbol(s)	R-phrases(s)	Weight percent
l-(+)-lactic acid	79-33-4 201-196-2	Xi	R38 R41	>= 1.00 - < 5.00

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Alcohols, C13-15-branched and linear, ethoxylated	157627-86-6	Xn, N	R22 R41 R50	$\geq 0.50 - < 1.00$
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4. 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.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Specific hazards during fire fighting : Exposure to decomposition products may be a hazard to health.
In case of fire and/or explosion do not breathe fumes.
- Special protective equipment for fire-fighters : 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.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Use personal protective equipment.
- Environmental precautions : Use appropriate containment to avoid environmental contamination.
Outside of normal use, avoid release to the environment.
- Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).
Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling

- Advice on safe handling : For personal protection see section 8.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.

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Storage

- Storage conditions : Keep out of the reach of children.
- Storage stability : No decomposition if stored and applied as directed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Personal protective equipment

- 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 protection : No special requirements.
- Skin and body protection : Wash contaminated clothing before re-use.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

- Form : liquid
- Colour : blue
- Odour : characteristic

Safety data

- pH : 2.2 - 2.6
- Flash point : not applicable
- Flammability (solid, gas) : Does not sustain combustion.
- Vapour pressure : no data available
- Density : 1.003 - 1.007 g/cm³ at 20 °C
- Water solubility : completely soluble

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Partition coefficient: n-octanol/water : no data available

Viscosity, dynamic : 1,250 mPa.s

Viscosity, kinematic : 550 - 950 mm²/s
at 20 °C

10. STABILITY AND REACTIVITY

Conditions to avoid : not applicable

Materials to avoid : Do not mix with bleach or any other household cleaners.

Hazardous decomposition products : Stable under normal conditions.

Hazardous reactions : None known.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50
estimated > 2,000 mg/kg
May cause abdominal discomfort.

Acute inhalation toxicity : No adverse effects expected when used as directed.

Acute dermal toxicity : LD50
estimated > 2,000 mg/kg
No adverse effects expected when used as directed.

Skin irritation : May cause skin irritation in susceptible persons.

Eye irritation : May irritate eyes.

12. ECOLOGICAL INFORMATION

Further information on ecology

Additional ecological information : This preparation is Not Classified as Environmentally Hazardous according to Directive 1999/45/EC, as amended.

13. DISPOSAL CONSIDERATIONS

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.

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Please recycle empty packaging.
Contaminated packaging : Do not re-use empty containers.

14. TRANSPORT INFORMATION

Land transport

- ADR:

Not classified as dangerous in the meaning of transport regulations.

Sea transport

- IMDG:

Not classified as dangerous in the meaning of transport regulations.

Air transport

- ICAO/IATA:

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Labelling according to EC Directives

Hazardous components which must be listed on the label:

Chemical Name	CAS-No.	Weight percent
l-(+)-lactic acid	79-33-4	2.02

S-phrase(s) : S 2 Keep out of the reach of children.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S46 If swallowed, seek medical advice immediately and show this container or label.
S50 Do not mix with bleach or any other household cleaners.

Special labelling of certain mixtures : Wash hands after handling product
For use only in toilet bowls.

: The product is classified and labelled in accordance with Directive 1999/45/EC.

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Notification status : All components are included on all applicable EU inventories.

Detergents regulations

Contains

< 5% Anionic surfactants, non-ionic surfactants

ALSO CONTAINS

Disinfectants, perfume

16. OTHER INFORMATION

Further information

Full text of R-phrases referred to under sections 2 and 3

R22	Harmful if swallowed.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.

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.