

SAFETY DATA SHEET

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



DUCK Liquid - Fresh

Version 1.3
Revision Date 02.02.2012

Print Date 08.07.2013
Specification Number: 350000007632
SITE FORM Number:
30000000000000006709.004

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

Product information

Product identifier : DUCK Liquid - Fresh

Relevant identified uses of the substance or mixture and uses advised against : Toilet Cleaner

Details of the supplier of the safety data sheet : 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

Label elements

Hazardous components which must be listed on the label : I-(+)-lactic acid 2.02% (2.02g/100g)

S-phrases(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.

Additional Labelling : Wash hands after handling product
For use only in toilet bowls.

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

ALSO CONTAINS
Disinfectants, perfume

Other hazards : None identified

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See section 11 for more detailed information on health effects and symptoms.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

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

4. FIRST AID MEASURES

Description of first aid measures

- Inhalation : In case of accidental exposure to chlorine gas:
Move to fresh air.
If breathing is difficult, give oxygen.
Get medical attention immediately.
- Skin contact : Rinse with plenty of water.
Get medical attention if irritation develops and persists.
- Eye contact : Immediately flush eye(s) with plenty of water.
In case of accidental exposure to chlorine gas:
Get medical attention immediately.
- Ingestion : If symptoms persist, call a physician.

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.
No adverse effects expected when used as directed.
- Ingestion : No adverse effects expected when used as directed.
- Potential environmental effects : Not classified as Environmentally Hazardous according to Directive 1999/45/EC, as amended.

Indication of any immediate medical attention and special treatment

See Description of first aid measures unless otherwise stated.

5. FIREFIGHTING MEASURES

Extinguishing media

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- Suitable : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable : None identified
- 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.
- 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.
- Further information : Fight fire with normal precautions from a reasonable distance.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Use personal protective equipment.
- Environmental precautions : Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Use appropriate containment to avoid environmental contamination.
- 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.

7. HANDLING AND STORAGE

Handling

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

Storage

- 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.

- Specific end uses : Toilet Cleaner

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Contains no substances with occupational exposure limit values.

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Exposure controls

- Respiratory protection : No personal respiratory protective equipment normally required.
- Hand protection : For prolonged or repeated contact use protective gloves.
- 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 hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

- Appearance : liquid
- Colour : green
- Odour : characteristic
- Odour Threshold : no data available
- pH : 2.2 - 2.6
- Melting point/freezing point : no data available
- Initial boiling point and boiling range : no data available
- Flash point : no data available
- Evaporation rate : no data available
- Flammability (solid, gas) : Does not sustain combustion.
- Upper/lower flammability or explosive limits : no data available
- Vapour pressure : no data available
- Vapour density : no data available
- Relative density : 1.005 g/cm³
- Solubility(ies) : completely soluble

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Partition coefficient: n-octanol/water	:	no data available
Autoignition temperature	:	no data available
Decomposition temperature	:	no data available
Viscosity, dynamic	:	1,250 mPa.s
Viscosity, kinematic	:	550 - 950 mm ² /s at 20 °C
Explosive properties	:	no data available
Oxidizing properties	:	no data available

10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable under recommended storage conditions.
Possibility of hazardous reactions	:	Warning! Do not use together with other products. May release dangerous gases (chlorine).
Conditions to avoid	:	Extremes of temperature and direct sunlight.
Incompatible materials	:	Do not mix with bleach or any other household cleaners.
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute oral toxicity	:	LD50 estimated > 2,000 mg/kg Based on available data, the classification criteria are not met. May cause abdominal discomfort.
Acute inhalation toxicity	:	Based on available data, the classification criteria are not met.
Acute dermal toxicity	:	LD50 estimated > 2,000 mg/kg Based on available data, the classification criteria are not met.
Skin corrosion/irritation	:	Based on available data, the classification criteria are not met.
Eye damage/irritation	:	Based on available data, the classification criteria are not met.

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Sensitisation	:	Based on available data, the classification criteria are not met.
Repeated dose toxicity	:	Based on available data, the classification criteria are not met.
Carcinogenicity	:	Based on available data, the classification criteria are not met.
Mutagenicity	:	Based on available data, the classification criteria are not met.
Toxicity for reproduction	:	Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION

Toxicity	:	Based on available data, the classification criteria are not met.
Persistence and degradability	:	Based on available data, the classification criteria are not met.
Bioaccumulative potential	:	Based on available data, the classification criteria are not met.
Mobility in soil	:	Based on available data, the classification criteria are not met.
PBT and vPvB assessment	:	Based on available data, the classification criteria are not met.
Other adverse effects	:	None known.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods	:	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. Do not re-use empty containers.
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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.

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15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

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

16. OTHER INFORMATION

If applicable, revision(s) are noted by the bold bars || in left-hand margin.

Further information

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

R38	Irritating to skin.
R41	Risk of serious damage to eyes.

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.