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

1.1 Product identifier : DUCK Liquid - Citrus

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
  Surrey
  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

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
For use only in toilet bowls.
As with any household product avoid prolonged skin contact with this product
Do not mix with bleach or any other household cleaners.

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

2.3 Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous components

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No./EC No</th>
<th>Reg. No</th>
<th>Classification according to Regulation (EC) No 1272/2008 (CLP)</th>
<th>Weight percent</th>
</tr>
</thead>
</table>
| l-(+)-lactic acid | 79-33-4/201-196-2 | - | Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 1 |
| | | | H315
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
Serious eye damage Category 1 |
| | | | H412
H318 | >= 0.50 - < 1.00 |

Additional Information
For the full text of the H-Statements mentioned in this Section, see Section 16.

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.
SAFETY DATA SHEET
(according to Regulation (EC) No. 1907/2006)

DUCK Liquid - Citrus

Print Date 04.09.2014
Revision Date 28.05.2014
Specification Number: 350000007636
SITE FORM Number: 30000000000000006713.004

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.

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.

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.

5.3 Further information: Fight fire with normal precautions from a reasonable distance.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures: Use personal protective equipment.
**SAFETY DATA SHEET**  
(according to Regulation (EC) No. 1907/2006)

**DUCK Liquid - Citrus**

Version 1.0  
Revision Date 28.05.2014  
Print Date 04.09.2014  
Specification Number: 350000007636  
SITE FORM Number: 30000000000000006713.004

---

6.2 **Environmental precautions**
- Prevent product from entering drains.
- Prevent further leakage or spillage if safe to do so.
- Use appropriate containment to avoid environmental contamination.

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.

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)**
- Consumer uses: Private households (= general public = consumers)
- Washing and cleaning products (including solvent based products)

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**: For prolonged or repeated contact use protective gloves.
- **Eye/face protection**: No special requirements.
- **Skin and body protection**: No special requirements.
- **Other information**: Wash hands before breaks and at the end of workday.
- **Environmental Exposure Controls**: Refer to section 6.
9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>orange</td>
</tr>
<tr>
<td>Odour</td>
<td>Citrus</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>no data available</td>
</tr>
<tr>
<td>pH</td>
<td>2.2 - 2.6</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>no data available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>no data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>does not flash</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>no data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Does not sustain combustion.</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>no data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>no data available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>no data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.005 g/cm³ at 20 °C</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>completely soluble</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>no data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>no data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>no data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>1,300 - 1,900 mPa.s</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>no data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>no data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>no data available</td>
</tr>
</tbody>
</table>
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.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute oral toxicity

<table>
<thead>
<tr>
<th>Name</th>
<th>Method</th>
<th>Species</th>
<th>Dose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product</td>
<td>LD50</td>
<td></td>
<td>&gt; 2,000 mg/kg</td>
</tr>
<tr>
<td></td>
<td>estimated</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Acute inhalation toxicity

no data available

Acute dermal toxicity

<table>
<thead>
<tr>
<th>Name</th>
<th>Method</th>
<th>Species</th>
<th>Dose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product</td>
<td>LD50</td>
<td></td>
<td>&gt; 2,000 mg/kg</td>
</tr>
<tr>
<td></td>
<td>estimated</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Acute oral toxicity

<table>
<thead>
<tr>
<th>Name</th>
<th>Method</th>
<th>Species</th>
<th>Dose</th>
</tr>
</thead>
<tbody>
<tr>
<td>l-(+)-lactic acid</td>
<td>EU CLP LD50</td>
<td>rat</td>
<td>3,543 mg/kg</td>
</tr>
</tbody>
</table>

Acute inhalation toxicity

<table>
<thead>
<tr>
<th>Name</th>
<th>Method</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>l-(+)-lactic acid</td>
<td>EU CLP LC50 (dust and mist)</td>
<td>rat</td>
<td>&gt; 7.94 mg/l</td>
<td>4 h</td>
</tr>
</tbody>
</table>

Acute dermal toxicity
SAFETY DATA SHEET
(according to Regulation (EC) No. 1907/2006)

DUCK Liquid - Citrus

Version 1.0
Revision Date 28.05.2014

Print Date 04.09.2014
Specification Number: 35000007636
SITE FORM Number: 30000000000000006713.004

<table>
<thead>
<tr>
<th>Name</th>
<th>Method</th>
<th>Species</th>
<th>Dose</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-(+)-lactic acid</td>
<td>EU CLP LD50</td>
<td>rabbit</td>
<td>&gt; 2,000 mg/kg</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation : Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation :
Skin sensitisation : Based on available data, the classification criteria are not met.
Germ cell mutagenicity :
Carcinogenicity :
Toxicity for reproduction :
STOT - single exposure :
STOT - repeated exposure :
Aspiration hazard :

12. ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

12.1 Toxicity

<table>
<thead>
<tr>
<th>Components</th>
<th>Acute aquatic toxicity</th>
<th>M-Factor</th>
<th>Chronic aquatic toxicity</th>
<th>M-Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-(+)-lactic acid</td>
<td>No classification proposed</td>
<td></td>
<td>No classification proposed</td>
<td></td>
</tr>
<tr>
<td>Alcohols, C13-15-branched and linear, ethoxylated EO=8</td>
<td>No classification proposed</td>
<td></td>
<td>Harmful to aquatic life with long lasting effects.</td>
<td></td>
</tr>
</tbody>
</table>

12.2 Persistence and degradability

<table>
<thead>
<tr>
<th>Component</th>
<th>Biodegradation</th>
<th>Exposure time</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-(+)-lactic acid</td>
<td>67 %</td>
<td>20 d</td>
<td>Readily biodegradable.</td>
</tr>
<tr>
<td>Alcohols, C13-15-branched and linear, ethoxylated EO=8</td>
<td>60 %</td>
<td>28 d</td>
<td>Readily biodegradable.</td>
</tr>
</tbody>
</table>

12.3 Bioaccumulative potential

<table>
<thead>
<tr>
<th>Component</th>
<th>Bioconcentration factor</th>
<th>Partition Coefficient n-Octanol/water</th>
</tr>
</thead>
</table>

7/9
SAFETY DATA SHEET  
(according to Regulation (EC) No. 1907/2006)

DUCK Liquid - Citrus

Version 1.0
Revision Date 28.05.2014

Print Date 04.09.2014
Specification Number: 350000007636
SITE FORM Number: 30000000000000006713.004

<table>
<thead>
<tr>
<th>Component</th>
<th>(BCF)</th>
<th>(log)</th>
</tr>
</thead>
<tbody>
<tr>
<td>l(+)-lactic acid</td>
<td>no data available</td>
<td>-0.62</td>
</tr>
<tr>
<td>Alcohols, C13-15-branched and linear, ethoxylated EO=8</td>
<td>no data available</td>
<td>no data available</td>
</tr>
</tbody>
</table>

12.4 Mobility

<table>
<thead>
<tr>
<th>Component</th>
<th>End point</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>l(+)-lactic acid</td>
<td>log Koc</td>
<td>&lt; 1.32</td>
</tr>
<tr>
<td>Alcohols, C13-15-branched and linear, ethoxylated EO=8</td>
<td>no data available</td>
<td></td>
</tr>
</tbody>
</table>

12.5 PBT and vPvB assessment

<table>
<thead>
<tr>
<th>Component</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>l(+)-lactic acid</td>
<td>Not fulfilling PBT and vPvB criteria</td>
</tr>
<tr>
<td>Alcohols, C13-15-branched and linear, ethoxylated EO=8</td>
<td>Not fulfilling PBT and vPvB criteria</td>
</tr>
</tbody>
</table>

12.6 Other adverse effects : None known.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

<table>
<thead>
<tr>
<th>Product</th>
<th>Waste treatment methods</th>
</tr>
</thead>
</table>
| 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.  |

<table>
<thead>
<tr>
<th>Packaging</th>
<th>Waste treatment methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packaging</td>
<td>Do not re-use empty containers.</td>
</tr>
</tbody>
</table>

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.
SAFETY DATA SHEET
(according to Regulation (EC) No. 1907/2006)

DUCK Liquid - Citrus

Version 1.0
Revision Date 28.05.2014
Print Date 04.09.2014
Specification Number: 350000007636
SITE FORM Number: 30000000000000006713.004

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.

16. OTHER INFORMATION

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

Further information:

- 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.