

**SAFETY DATA SHEET**

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

**DUCK® Liquid - Citrus**

Version 1.0

Revision Date 28.05.2022

Specification Number:  
350000007636 SITE FORM Number:  
30000000000000006713.004

**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.
  
- :
  
- :
  
- :
  
- :

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**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)

**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.

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

**2.3 Other hazards** : None identified

**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	-	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 Serious eye damage Category 1 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.  
Get medical attention if irritation develops and persists.

Ingestion : If symptoms persist, call a physician.

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**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.

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**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.

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**6. ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures** : Use personal protective equipment.

**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.

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- 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.

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## 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)

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## 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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

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Appearance	:	liquid	
Colour	:	orange	
Odour	:	Citrus	
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	:	does not flash	
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/cm <sup>3</sup> at 20 °C	
Solubility(ies)	:	completely soluble	
Partition coefficient: n-octanol/water	:	no data available	
Auto-ignition temperature	:	no data available	
Decomposition temperature	:	no data available	
Viscosity, dynamic	:	1,300 - 1,900 mPa.s	
Viscosity, kinematic	:	no data available	
Explosive properties	:	no data available	
Oxidizing properties	:	no data available	
Other information	:	None identified	:

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**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

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

## Acute inhalation toxicity

no data available

## Acute dermal toxicity

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

## Acute oral toxicity

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

## Acute inhalation toxicity

Name	Method	Species	Dose	Exposure time
l-(+)-lactic acid	EU CLP LC50 (dust and mist)	rat	> 7.94 mg/l	4 h

## Acute dermal toxicity

Name	Method	Species	Dose
l-(+)-lactic acid	EU CLP LD50	rabbit	> 2,000 mg/kg

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

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- 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.

**12. ECOLOGICAL INFORMATION****Product** : The product itself has not been tested.**12.1 Toxicity**

Components	Acute aquatic toxicity	M-Factor	Chronic aquatic toxicity	M-Factor
I-(+)-lactic acid	No classification proposed		No classification proposed	
Alcohols, C13-15-branched and linear, ethoxylated EO=8	No classification proposed		Harmful to aquatic life with long lasting effects.	

**12.2 Persistence and degradability**

Component	Biodegradation	Exposure time	Summary
I-(+)-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)
I-(+)-lactic acid	no data available	-0.62
Alcohols, C13-15-branched and linear, ethoxylated	no data available	no data available

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EO=8		
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**12.4 Mobility**

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 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.**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.

**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.

**15. REGULATORY INFORMATION****15.1 Safety, health and** : This safety datasheet complies with the requirements of Regulation (EC)



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environmental  
regulations/legislation specific for  
the substance or mixture

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.