

SAFETY DATA SHEET

(according to Regulation (EC) No. 2015/830)



Duck® Fresh Discs® - Lime

Version 1.0
Revision Date 18.02.2021

Print Date 18.07.2023
Specification Number: 350000039369
SITE FORM Number:
30000000000000027508.001

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

- 1.1 Product identifier** : Duck® Fresh Discs® - Lime

- 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** : +44 1276852000

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

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

Poison Centre:
Ireland - (01)809 2166
Available 8.00 a.m. to 10.00 p.m. 7 days a week

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

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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.

(P101) If medical advice is needed, have product container or label at hand.

(P301 + P312) IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

(P305 + P351 + P338) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Additional Labelling

Be attentive of young children when they are near the toilet. (In bold)

For use in toilet bowls only.

Keep out of the reach of pets.

Detergents regulations

: **Contains**

< = 5% Anionic surfactants, > = 15% and < 30% non-ionic surfactants,
perfume , Citral, Geraniol

2.3 Other hazards

: None identified

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

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Hazardous components

Chemical name	CAS-No./EC No	Reg. No	Classification according to Regulation (EC) No 1272/2008 (CLP)	Weight percent
Alcohols, C16-18, ethoxylated (EO = 25)	68439-49-6	Not required	Serious eye damage/eye irritation Category 1 H318	>= 20.00 - < 30.00
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3 500-234-8	01-2119488639-16	Long-term (chronic) aquatic hazard Category 3 H412 Skin corrosion/irritation Category 2 H315 Serious eye damage/eye irritation Category 1 H318	>= 1.00 - < 5.00
Poly(oxy-1,2-ethanediyl),	78330-21-9	Not Required	Long-term (chronic)	>= 1.00 - <

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.alpha.-isotridecyl-.omega.-hydroxy- (EO = 10)			aquatic hazard Category 3 H412 Serious eye damage/eye irritation Category 1 H318 Acute toxicity Category 4 H302	5.00
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WEL substance				
glycerol	56-81-5 200-289-5	01-2119471987-18		>= 1.00 - < 5.00
diphenyl ether	101-84-8 202-981-2	01-2119472545-33	Short-term (acute) aquatic hazard Category 1 H400 Long-term (chronic) aquatic hazard Category 3	>= 0.00 - < 0.10

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			H412 Eye irritation Category 2B H319 M-Factor Acute - 1	
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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.

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Inhalation : No adverse effects expected when used as directed.
Ingestion : May cause abdominal discomfort.
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, : Use personal protective equipment.

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protective equipment and emergency procedures

- 6.2 Environmental precautions** : Outside of normal use, avoid release to the environment.
Prevent large amounts of 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.

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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure Limit Values

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Components	CAS-No.	mg/m3	ppm	Form of exposure	List
glycerol	56-81-5	10 mg/m3		mist	UK_WELTWAS
		30 mg/m3		mist	UK_WELSTEL
diphenyl ether	101-84-8	21.3 mg/m3	3 ppm	vapour	UK_WELSTEL
		7.1 mg/m3	1 ppm	vapour	UK_WELTWAS

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.
Nitrile gloves – Thickness 0.12mm; Breakthrough time >2 hours.
- 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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Appearance : gel

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Colour	:	green
Odour	:	Citrus
Odour Threshold	:	Test not applicable for this product type
pH	:	5 - 6 at (25 °C) 1% solution
Melting point/freezing point	:	0 C
Initial boiling point and boiling range	:	> 100 C
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	:	> 0.0000000 hPa
Vapour density	:	Test not applicable for this product type
Relative density	:	1.04 g/cm ³ at 25 C
Solubility(ies)	:	completely soluble
Partition coefficient: n-	:	Test not applicable for this product type

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octanol/water

Auto-ignition temperature : Test not applicable for this product type

Decomposition temperature : Test not applicable for this product type

Viscosity, dynamic : 250,000 - 500,000 mPa.s
at 25 °C
Very viscous

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

9.2 Other information

Other information : None identified :

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity : No dangerous reaction known under conditions of normal use.

10.2 Chemical stability : Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions : None known.

10.4 Conditions to avoid : Extremes of temperature and direct sunlight.

10.5 Incompatible materials : None known.

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10.6 Hazardous decomposition products : No decomposition if stored and applied as directed.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 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 (dust and mist) Calculated		> 5 mg/l	

Acute dermal toxicity

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

Acute oral toxicity

Name	Method	Species	Dose
Alcohols, C16-18, ethoxylated (EO = 25)	LD50 Measured	Rat	1,400 mg/kg

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Alcohols, C12-14, ethoxylated, sulfates, sodium salts	LD50	Rat	2,870 mg/kg
Poly(oxy-1,2-ethanediyl), .alpha.-isotridecyl-.omega.-hydroxy- (EO = 10)	LD50	Rat	1,000 mg/kg

Acute inhalation toxicity

Name	Method	Species	Dose	Exposure time
Alcohols, C16-18, ethoxylated (EO = 25)	LC50 (dust and mist)	Rat	1.6 mg/l	4 h
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	No data available			
Poly(oxy-1,2-ethanediyl), .alpha.-isotridecyl-.omega.-hydroxy- (EO = 10)	No data available			

Acute dermal toxicity

Name	Method	Species	Dose
Alcohols, C16-18, ethoxylated (EO = 25)	LD50 Measured		5,000 mg/kg
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	LD50	Rat	> 2,000 mg/kg
Poly(oxy-1,2-ethanediyl), .alpha.-isotridecyl-.omega.-hydroxy- (EO = 10)	No data available		

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- 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.
BCOP: Bovine Corneal Opacity and Permeability
- 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
Alcohols, C16-18, ethoxylated (EO = 25)	LC50 flow-through test Measured OECD Test Guideline 203	Cyprinus carpio (Carp)	> 1 - 10 mg/l	96 h

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Alcohols, C12-14, ethoxylated, sulfates, sodium salts	LC50	Danio rerio (zebra fish)	7.1 mg/l	96 h
	NOEC	Oncorhynchus mykiss (rainbow trout)	0.14 mg/l	28 d
Poly(oxy-1,2-ethanediyl), .alpha.-isotridecyl-.omega.-hydroxy- (EO = 10)	LC50	Danio rerio (zebra fish)	> 1 - 10 mg/l	96 h
glycerol	LC50	Oncorhynchus mykiss (rainbow trout)	51,000 - 57,000 mg/l	96 h
diphenyl ether	LC50 flow-through test	Pimephales promelas (fathead minnow)	4 mg/l	96 h

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Alcohols, C16-18, ethoxylated (EO = 25)	EC50 static test Measured	Daphnia magna (Water flea)	> 1 - 10 mg/l	48 h
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	EC50	Daphnia magna (Water flea)	7.4 mg/l	48 h

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	NOEC	Daphnia magna	0.27 mg/l	21 d
Poly(oxy-1,2-ethanediyl), .alpha.-isotridecyl-.omega.-hydroxy- (EO = 10)	No data available			
glycerol	LC50	Daphnia magna (Water flea)	1,955 mg/l	48 h
diphenyl ether	LC50 static test Measured	Daphnia magna (Water flea)	1.96 mg/l	48 h

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Alcohols, C16-18, ethoxylated (EO = 25)	EC50 static test Measured	Desmodesmus subspicatus (green algae)	> 1 - 10 mg/l	72 h
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	NOEC	Desmodesmus subspicatus (green algae)	0.95 mg/l	72 h
Poly(oxy-1,2-ethanediyl), .alpha.-isotridecyl-.omega.-hydroxy- (EO = 10)	No data available			
glycerol	EC10	Microcystis aeruginosa (blue-green algae)	2,900 mg/l	168 h

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diphenyl ether	EC50	Pseudokirchneriella subcapitata (green algae)	2.5 mg/l	96 h
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12.2 Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Alcohols, C16-18, ethoxylated (EO = 25)	> 60 %	28 d	Readily biodegradable.
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	96 %	28 d	Readily biodegradable.
Poly(oxy-1,2-ethanediyl), .alpha.-isotridecyl-.omega.-hydroxy- (EO = 10)	> 60 %	28 d	Readily biodegradable.
glycerol	94 %	24 h	Readily biodegradable.
diphenyl ether	76 %	20 d	Readily biodegradable.

12.3 Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Alcohols, C16-18, ethoxylated (EO = 25)	No data available	No data available
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	No data available	No data available
Poly(oxy-1,2-ethanediyl), .alpha.-isotridecyl-.omega.-hydroxy- (EO = 10)	No data available	No data available

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glycerol	0.89 estimated	-1.76
diphenyl ether	49 - 594 Measured	4.21

12.4 Mobility in soil

Component	End point	Value
Alcohols, C16-18, ethoxylated (EO = 25)	Koc	> 5000 QSAR
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	No data available	
Poly(oxy-1,2-ethanediyl), .alpha.-isotridecyl-.omega.-hydroxy- (EO = 10)	No data available	
glycerol	No data available	
diphenyl ether	log Koc	3.3

12.5 Results of PBT and vPvB assessment

Component	Results
Alcohols, C16-18, ethoxylated (EO = 25)	Not fulfilling PBT and vPvB criteria
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	Not fulfilling PBT and vPvB criteria
Poly(oxy-1,2-ethanediyl), .alpha.-isotridecyl-.omega.-hydroxy- (EO = 10)	Not fulfilling PBT and vPvB criteria
glycerol	Not fulfilling PBT and vPvB criteria
diphenyl ether	Not fulfilling PBT and vPvB criteria

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the substance or mixture

Regulation (EC) No. 1272/2008 (CLP) as amended (not applicable to cosmetics)

Regulation (EC) No. 528/2012 as amended (applicable to biocidal products)

Directive (EEC) No. 75/324 as amended (applicable to aerosols)

Regulation (EC) No. 1223/2009 amended (applicable to cosmetic products)

Regulation (EC) No. 684/2001 The surfactants contained in this preparation comply with the biodegradability criteria laid down in Regulation (EC) No.648/2004 for detergents (applicable to detergents).

Directive (EC) No. 2001/95/EC - General Product Safety Directive

European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)

Directive 2012/18/EU Seveso

Regulation 850/2004 on persistent organic pollutants and amending Directive 79/117/EEC

WGK classification
SZW list of carcinogenic, mutagenic and reproductively toxic substances

15.2 Chemical safety assessment : Not required for consumer products.

SECTION 16: OTHER INFORMATION

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

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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.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

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