

Safety Data Sheet

According to Hazard Classification and Communication System
for Hazardous Substances (B.E. 2555)



Duck Pro

Version 1.1

Print Date 06/06/2019

Revision Date 07/03/2018

SDS Number 350000017068

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : Duck Pro

Recommended use : Speciality Cleaner

Manufacturer, importer, supplier : S.C. Johnson & Son Ltd
689 Sukhumvit Road, North Klongton
Bhiraj Tower at EmQuartier, 37th floor,
Vadhana District, Bangkok 10110

Telephone : +6622690888

Emergency telephone number : Call Center number: +662-269-0899

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Globally Harmonized System (GHS) Classification

Hazard classification	Hazard category	Hazards identification
Acute toxicity	Category 4	Harmful if swallowed.
Acute toxicity	Category 5	May be harmful if inhaled.
Skin corrosion	Category 1	Causes severe skin burns and eye damage.
Serious eye damage	Category 1	Causes serious eye damage.

Labelling

Hazard symbols



Signal word

Danger

Hazard statements

H333) May be harmful if inhaled.

H302) Harmful if swallowed.

H314) Causes severe skin burns and eye damage.

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Precautionary statements

- (P101) If medical advice is needed, have product container or label at hand.
(P102) Keep out of reach of children.
(P103) Read label before use.
(P101) Immediately call a POISON CENTER/doctor.
(P102) Specific treatment (see supplemental first aid instructions on this label).
(P103) IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
() IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
() IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
() IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
() Wash contaminated clothing before reuse.
(P405) Store locked up.
(P501) Dispose of contents/ container to an approved incineration plant.
(P280) Wear protective gloves.
(P260) Do not breathe dust or mist.
(P264) Wash hands thoroughly after handling.
(P270) Do not eat, drink or smoke when using this product.

Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Weight percent
Hydrochloric acid	7647-01-0	10.00 - 20.00
Lauryl polyethylene glycol ether 10 EO	9002-92-0	1.00 - 5.00

The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

For additional information on product ingredients, see www.whatsinsidescjohnson.com.

4. FIRST AID MEASURES

- Eye contact** : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Get medical attention immediately.
- Skin contact** : IF ON SKIN (or hair): Take off immediately all contaminated

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clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER/doctor.

- Inhalation** : IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Ingestion** : IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Rinse mouth.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during firefighting** : Container may melt and leak in heat of fire.
- Further information** : Wear full protective clothing and positive pressure self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Wear personal protective equipment. Wash thoroughly after handling.
- Environmental precautions** : Outside of normal use, avoid release to the environment.
- Methods and materials for containment and cleaning up** : Dike large spills. Clean residue from spill site.

7. HANDLING AND STORAGE

Handling

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Precautions for safe handling : Avoid contact with skin, eyes and clothing.
For personal protection see section 8.
Use only as directed.
KEEP OUT OF REACH OF CHILDREN AND PETS.
Avoid breathing vapours, mist or gas.
Do not eat, drink or smoke when using this product.
Wash thoroughly after handling.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Storage

Requirements for storage areas and containers : Keep container closed when not in use.
Store locked up.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

Personal protective equipment

Respiratory protection : Substantial amounts of mist/vapors can be controlled with local exhaust ventilation or respiratory protection.

Hand protection : Rubber gloves

Eye protection : Wear splash-resistant Chemical goggles.

Skin and body protection : Protective footwear.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Smoking, eating and drinking should be prohibited in the application area.

9. PHYSICAL AND CHEMICAL PROPERTIES

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Form	: liquid
Color	: blue
Odor	: characteristic
Odour Threshold	: No data available
pH	: 0.5 - 1.0
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flash point	: does not flash
Evaporation rate	: Not applicable
Flammability (solid, gas)	: No data available
Upper/lower flammability or explosive limits	: No data available
Vapour pressure	: No data available
Vapour density	: No data available
Relative density	: > 1.05 g/cm ³ at 25 °C
Solubility(ies)	: completely soluble
Partition coefficient: n-octanol/water	: No data available

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Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Oxidizing properties : No data available

Volatile Organic Compounds : 0 % - additional exemptions may apply
Total VOC (wt. %)* *as defined by US Federal and State Consumer Product Regulations

Other information : None identified :

10. STABILITY AND REACTIVITY

Possibility of hazardous reactions : Stable under recommended storage conditions.

Conditions to avoid : Direct sources of heat.

Incompatible materials : Do not mix with bleach or any other household cleaners.

Hazardous decomposition products : Thermal decomposition can lead to release of irritating gases and vapours.

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11. TOXICOLOGICAL INFORMATION

Emergency Overview : Danger

Acute oral toxicity : LD50 1538.1115609118 mg/kg

Acute inhalation toxicity : LC50 > 10 mg/L

Acute dermal toxicity : LD50 > 5000 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	Category 4	Oral
Acute toxicity	No classification proposed	Dermal
Acute toxicity	No classification proposed	Inhalation - Dust and Mist
Acute toxicity	Category 5	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Gas
Skin corrosion	Category 1	-
Serious eye damage	Category 1	-
Skin sensitisation	No classification proposed	-
Respiratory sensitisation	No classification proposed	-
Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-
Specific target organ toxicity - repeated	No classification proposed	-

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exposure		
Aspiration hazard	No classification proposed	-

Aggravated Medical Condition : Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc. may be more susceptible to irritating effects

12. ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

Toxicity

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

Toxicity to fish

Components	End point	Species	Value	Exposure time
Hydrochloric acid	semi-static test LC50	Lepomis macrochirus (Bluegill sunfish)	3.25 - 3.5 mg/l	96 h
Lauryl polyethylene glycol ether 10 EO		Salmo salar (Atlantic salmon)	25 mg/l	96 h

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Hydrochloric acid	static test EC50	Daphnia magna (Water flea)	4.92 mg/l	48 h
Lauryl polyethylene glycol ether 10 EO	LC50	Daphnia magna (Water flea)	6.46 mg/l	48 h

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Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Hydrochloric acid	static test EC50	Chlorella vulgaris (Fresh water algae)	4.7 mg/l	72 h
Lauryl polyethylene glycol ether 10 EO	static test EC50	Desmodesmus subspicatus (green algae)	2.05963 mg/l	72 h

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Hydrochloric acid	No data available		
Lauryl polyethylene glycol ether 10 EO	50 %	15 d	Readily biodegradable.

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Hydrochloric acid	No data available	0.25
Lauryl polyethylene glycol ether 10 EO	47.98	1.937

Mobility

Component	End point	Value
Hydrochloric acid	No data available	
Lauryl polyethylene glycol ether 10 EO	log Koc	2.177

PBT and vPvB assessment

Component	Results
Hydrochloric acid	Not fulfilling PBT and vPvB criteria
Lauryl polyethylene glycol	Not fulfilling PBT and vPvB criteria

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ether 10 EO	
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Other adverse effects : None known.

13. DISPOSAL CONSIDERATIONS

Consumer may discard empty container in trash, or recycle
where facilities exist.

14. TRANSPORT INFORMATION

	Land transport	Sea transport	Air transport
UN number	1789	1789	1789
UN proper shipping name	HYDROCHLORIC ACID, mixture	HYDROCHLORIC ACID, mixture	HYDROCHLORIC ACID, mixture
Transport hazard class(es)	8	8	8
Packing group	II	II	II
Environmental hazards	-	-	-
Special precautions for user	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.

15. REGULATORY INFORMATION

Notification status

U.S. Toxic Substances Control Act : No data available

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16. OTHER INFORMATION

Safety Data Sheets (SDS) are intended to provide workers and emergency personnel with the proper procedures for handling or working with products. The information is intended to address handling of our products in occupational environments in accordance with country and region specific regulatory requirements under the Global Harmonization System of Classification and Labeling of chemicals and mixtures. These SDSs are not applicable to consumer use of our products.

Further information

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Prepared by	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
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