SC Johnson Professional Duck Deep Action Gel - Marine

Version *2*.0
Revision Date 03.07.2018

Print Date 04.09.2019
Specification Number: 350000031676
SITE FORM Number:
30000000000000021000.004

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

1.1 Product identifier : SC Johnson Professional Duck Deep Action Gel - Marine

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 Professional Ltd.
Denby
DE5 8JZ
UK

SC Johnson Professional GmbH
Girmesgath
47803 Krefeld
EU

Telephone : +44 (0) 1773 855 100

E-mail address : talktous@scj.com

1.4 Emergency telephone number :

Consumer Care Center:
UK - 0800 353 353
Ireland - 1800 409 176

Irish Poison Center:
Ireland - (01)809 2166

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

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

Hazard classification	Hazard category	Hazards identification
Serious eye damage/eye irritation	Category 1	Causes serious eye damage.
Chronic aquatic toxicity	Category 3	Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 (CLP)
Hazard symbols

Signal word
Danger

Contains
formic acid
Alcohols, C13-15-branched and linear, ethoxylated EO=8
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides
Active Ingredients (BPR)
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides 0.1828% (0.1828g/100g)
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides 0.2742% (0.2742g/100g)

Hazard statements
(H318) Causes serious eye damage.
(H412) Harmful to aquatic life with long lasting effects.

Precautionary statements
(P101) If medical advice is needed, have product container or label at hand.
(P102) Keep out of reach of children.
(P264) Wash hands thoroughly after handling.
(P310) Immediately call a POISON CENTER/doctor.
(P305 + P351 + P338) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
(P501) Dispose of contents /container in accordance with local regulations.
(P280) Wear eye protection.

Additional Labelling
For use only in toilet bowls.
Do not mix with bleach or any other household cleaners.
For professional users only.
Safety data sheets available on request.

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

2.3 Other hazards : None identified

SECTION 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
formic acid	64-18-6 200-579-1	01-2119491174-37	Skin corrosion Category 1A H314	>= 0.10 - < 0.50
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 Acute toxicity Category 4 H302	>= 0.50 - < 1.00

Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	68424-95-3 270-331-5	-	Acute aquatic toxicity Category 1 H400 Chronic aquatic toxicity Category 1 H410 Skin corrosion/irritation Category 1B H314 Serious eye damage/eye irritation Category 1 H318 Acute toxicity Category 3 H302 M-Factor Acute - 10 M-Factor Chronic - 1	>= 0.10 - < 0.50
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	68391-01-5 269-919-4	-	Skin corrosion Category 1 H314 Chronic aquatic toxicity Category 1 H410 Acute aquatic toxicity Category 1	>= 0.10 - < 0.50

			H400 Acute toxicity Category 4 H302 Acute toxicity Category 3 H311 Acute toxicity Category 2 H330 M-Factor Acute - 10 M-Factor Chronic - 1	

WEL substance				
ethyl alcohol	64-17-5 200-578-6	01-2119457610-43	Flammable liquids Category 2 H225	>= 0.00 - < 0.10

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 : Move to fresh air.
If breathing is affected, get medical attention.

Skin contact : Rinse with plenty of water.
Get medical attention if irritation develops and persists.

Eye contact : Remove contact lenses.

		Protect unharmed eye. Keep eye wide open while rinsing. Flush immediately with plenty of water for at least 15 to 20 minutes. Get medical attention immediately.
Ingestion	:	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

Eyes	:	Causes serious eye damage. No adverse effects expected when used as directed.
Skin effect	:	No adverse effects expected when used as directed.
Inhalation	:	May cause respiratory tract irritation. No adverse effects expected when used as directed. Do not mix with bleach or any other household cleaners.
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.

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, protective equipment and emergency procedures	:	Use personal protective equipment.
6.2 Environmental precautions	:	Outside of normal use, avoid release to the environment. Prevent large amounts of product from entering drains. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities. 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. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. Wear personal protective equipment. 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. Store away from food, beverages and pet food. 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

Components	CAS-No.	mg/m3	ppm	Form of exposure	List
formic acid	64-18-6	9 mg/m3	5 ppm		EUOEL_TWAS
		9.6 mg/m3	5 ppm		UK_WELTWAS
		28.8 mg/m3	15 ppm		UK_WELSTEL
ethyl alcohol	64-17-5	1,920 mg/m3	1,000 ppm		UK_WELTWAS
		5,760 mg/m3	3,000 ppm		UK_WELSTEL

Refer to current EN or National standard as appropriate.

8.2 Exposure controls

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

Hand protection : Wear suitable gloves.
Nitrile gloves – Thickness 0.12mm; Breakthrough time >2 hours.
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
Before removing gloves clean them with soap and water.

Eye/face protection : Safety glasses

Skin and body protection : Wash contaminated clothing before re-use.

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	:	liquid
Colour	:	blue
Odour	:	Marine/Ozone
Odour Threshold	:	Test not applicable for this product type
pH	:	3.5 - 4.0
Melting point/freezing point	:	32 °F
Initial boiling point and boiling range	:	Test not applicable for this product type
Flash point	:	does not flash
Evaporation rate	:	Test not applicable for this product type
Flammability (solid, gas)	:	The product is not flammable.
Upper/lower flammability or explosive limits	:	Test not applicable for this product type
Vapour pressure	:	Test not applicable for this product type
Vapour density	:	Test not applicable for this product type
Relative density	:	1.000 - 1.005 g/cm3 at 20 C
Solubility(ies)	:	soluble
Partition coefficient: n-octanol/water	:	Test not applicable for this product type
Auto-ignition temperature	:	does not ignite
Decomposition temperature	:	Test not applicable for this product type

Viscosity, dynamic	:	260 - 575 cps at 20 °C
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	:	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.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute oral toxicity

Name	Method	Species	Dose
Product	LD50 Measured OECD Test Guideline	Rat	> 5,000 mg/kg

	425		

Acute inhalation toxicity

Name	Method	Species	Dose	Exposure time
Product	LC50 (vapour) Measured OECD Test Guideline 403	Rat	> 5.08 mg/l	

Acute dermal toxicity

Name	Method	Species	Dose
Product	LD50 Measured OECD Test Guideline 402	Rat	> 5,000 mg/kg

Acute oral toxicity

Name	Method	Species	Dose
formic acid	LD50 LD50 Measured	Rat Rat	1,100 mg/kg 730 mg/kg
Alcohols, C13-15-branched and linear, ethoxylated EO=8	No data available		
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	LD50	Rat	238 mg/kg
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	LD50	Rat	304.5 mg/kg

Acute inhalation toxicity

Name	Method	Species	Dose	Exposure time
formic acid	LC50 (dust and mist)	Rat	7.85 mg/l	4 h

Alcohols, C13-15-branched and linear, ethoxylated EO=8	No data available			
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	LC50 (dust and mist)		0.07 mg/l	
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	LC50 (vapour)	Rat	0.054 mg/l	

Acute dermal toxicity

Name	Method	Species	Dose
formic acid	No data available		
Alcohols, C13-15-branched and linear, ethoxylated EO=8	No data available		
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	LD50	Rabbit	2,930 mg/kg
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	LD50	Rat	930 mg/kg

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

Serious eye damage/eye irritation : Causes serious eye damage.

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
formic acid	LC50 static test Read-across (Analogy)	Danio rerio (zebra fish)	130 mg/l	96 h
Alcohols, C13-15-branched and linear, ethoxylated EO=8	LC50	Oncorhynchus mykiss (rainbow trout)	> 1 - < 10 mg/l	48 h
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	No data available			
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	LC50 NOEC	Fish Pimephales promelas (fathead minnow)	0.515 mg/l 0.03 mg/l	 34 d
ethyl alcohol	LC50	Fish	11,200 mg/l	96 h

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
formic acid	EC50 static test Read-across (Analogy) NOEC	Daphnia magna (Water flea) Daphnia magna	365 mg/l > 100 mg/l	48 h 21 d
Alcohols, C13-15-branched and linear, ethoxylated EO=8	EC50	Daphnia magna (Water flea)	> 1 - < 10 mg/l	48 h
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	EC50 Measured NOEC	Daphnia (water flea) Daphnia magna	0.011 - 0.099 mg/l 0.01 - 0.099 mg/l	
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	EC50	Daphnia (water flea)	0.016 mg/l	
ethyl alcohol	LC50 static test NOEC	Ceriodaphnia dubia Daphnia magna	5,012 mg/l 9.6 mg/l	48 h 9 d

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
formic acid	EC50	Desmodesmus subspicatus	25 mg/l	96 h
Alcohols, C13-15-branched and linear, ethoxylated EO=8	EC50	Desmodesmus subspicatus (green algae)	> 1 - < 10 mg/l	72 h
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	No data available			
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	NOEC	Algae	0.009 mg/l	

ethyl alcohol	EC50 Static	Chlorella vulgaris (Fresh water algae)	275 mg/l	72 h

12.2 Persistence and degradability

Component	Biodegradation	Exposure time	Summary
formic acid	100 %	14 d	Readily biodegradable.
Alcohols, C13-15-branched and linear, ethoxylated EO=8	60 %	28 d	Readily biodegradable.
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides			Readily biodegradable.
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	60 %	13 d	Readily biodegradable.
ethyl alcohol	97 %	28 d	Readily biodegradable.

12.3 Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
formic acid	0.22	-2.1
Alcohols, C13-15-branched and linear, ethoxylated EO=8	No data available	No data available
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	No data available	No data available
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	182.8	3.91
ethyl alcohol	3.2 estimated	-0.35 Measured

12.4 Mobility in soil

Component	End point	Value

formic acid	log Koc	< 1.25
Alcohols, C13-15-branched and linear, ethoxylated EO=8	No data available	
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	No data available	
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	Koc	640389 - 6171657
ethyl alcohol	No data available	

12.5 Results of PBT and vPvB assessment

Component	**Results**
formic acid	Not fulfilling PBT and vPvB criteria
Alcohols, C13-15-branched and linear, ethoxylated EO=8	Not fulfilling PBT and vPvB criteria
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	Not fulfilling PBT and vPvB criteria
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	Not fulfilling PBT and vPvB criteria
ethyl alcohol	Not fulfilling PBT and vPvB criteria

12.6 Other adverse effects : None known.

SECTION 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.

SECTION 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.

SECTION 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.
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.

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

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
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.