



## SAFETY DATA SHEET

### 2Lt SUPER PROFESSIONAL ECO SELECT CONCENTRATED WASHROOM CLEANER ES7

Commission Regulation (EU) No 2015/830 of 28 May 2015.

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product name	2Lt SUPER PROFESSIONAL ECO SELECT CONCENTRATED WASHROOM CLEANER ES7
Product number	800-299-0013 ES7
Container size	2L

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Cleaning agent. Disinfectant.
-----------------	-------------------------------

##### 1.3. Details of the supplier of the safety data sheet

Supplier	Mirius™ A Coventry Group Company Woodhams Road Siskin Drive Coventry CV3 4FX Tel: +44 (0) 02476 639 739 Fax: +44 (0) 02476 639 717 Email: sales@mirius.com
Contact person	For content of safety data sheet: sds@mirius.com

##### 1.4. Emergency telephone number

Emergency telephone	+44 (0) 1865407333 (Strictly for emergencies only: incidents involving damage to human health and/or the environment)
---------------------	-----------------------------------------------------------------------------------------------------------------------

**National emergency telephone number** In case of a medical emergency following exposure to a chemical call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Skin Corr. 1 - H314 Eye Dam. 1 - H318
Environmental hazards	Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

Classification (67/548/EEC or 1999/45/EC) -

##### 2.2. Label elements

## 2Lt SUPER PROFESSIONAL ECO SELECT CONCENTRATED WASHROOM CLEANER ES7

### Pictogram



### Signal word

Danger

### Hazard statements

H314 Causes severe skin burns and eye damage.  
H400 Very toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.

### Precautionary statements

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P273 Avoid release to the environment.  
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/ doctor.  
P501 Dispose of contents/ container in accordance with national regulations.

### Contains

CITRIC ACID ANHYDROUS, ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16)), 2-(2-BUTOXYETHOXY)ETHANOL, ALCOHOLS, C12-14, ETHOXYLATED

### Biocide Labelling

This product contains substances with biocidal properties., Contains active substance: Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-16)), Read attached instructions before use.

### Detergent labelling

< 5% disinfectants, < 5% non-ionic surfactants, < 5% perfumes, Contains HEXYL CINNAMAL

### Supplementary precautionary statements

P260 Do not breathe vapour/ spray.  
P264 Wash contaminated skin thoroughly after handling.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P321 Specific treatment (see medical advice on this label).  
P363 Wash contaminated clothing before reuse.  
P391 Collect spillage.  
P405 Store locked up.

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>CITRIC ACID ANHYDROUS</b>	<b>10-30%</b>
CAS number: 77-92-9	EC number: 201-069-1
	REACH registration number: 01-2119457026-42-XXXX
<b>Classification</b>	
Eye Irrit. 2 - H319	

## 2Lt SUPER PROFESSIONAL ECO SELECT CONCENTRATED WASHROOM CLEANER ES7

<b>ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16))</b>	<b>3.38%</b>
CAS number: 68424-85-1	EC number: 270-325-2
REACH registration number: 01-2119965180-41-XXXX	
M factor (Acute) = 10	M factor (Chronic) = 1
<b>Classification</b>	
Acute Tox. 4 - H302	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	
<b>2-(2-BUTOXYETHOXY)ETHANOL</b>	
	<b>1-5%</b>
CAS number: 112-34-5	EC number: 203-961-6
REACH registration number: 01-2119475104-44-xxxx	
<b>Classification</b>	
Eye Irrit. 2 - H319	
<b>ALCOHOLS, C12-14, ETHOXYLATED</b>	
	<b>1-5%</b>
CAS number: 68439-50-9	EC number: 500-213-3
REACH registration number: 01-2119487984-16-XXXX	
M factor (Acute) = 1	
<b>Classification</b>	
Eye Dam. 1 - H318	
Aquatic Acute 1 - H400	
Aquatic Chronic 3 - H412	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Provide eyewash station.
<b>Inhalation</b>	Remove affected person from source of contamination. Keep affected person warm and at rest. Get medical attention immediately.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention immediately.
<b>Skin contact</b>	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
<b>Eye contact</b>	Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.

## 2Lt SUPER PROFESSIONAL ECO SELECT CONCENTRATED WASHROOM CLEANER ES7

### 4.2. Most important symptoms and effects, both acute and delayed

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	The product is considered to be a low hazard under normal conditions of use.
<b>Ingestion</b>	This product is corrosive. May be harmful if swallowed and enters airways. A single exposure may cause the following adverse effects: Irritation. Sore throat. Dryness of mouth and throat.
<b>Skin contact</b>	A single exposure may cause the following adverse effects: Redness. Irritation. Dry skin.
<b>Eye contact</b>	The product is irritating to eyes and skin. Prolonged or repeated exposure may cause the following adverse effects: Irritation and redness, followed by blurred vision. Corneal damage. Risk of serious damage to eyes.

### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	Treat symptomatically.
-----------------------------	------------------------

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Use foam, carbon dioxide, dry powder or water fog to extinguish.
-------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------

### 5.2. Special hazards arising from the substance or mixture

<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours. Oxides of nitrogen. Oxides of carbon. Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO).
--------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Control run-off water by containing and keeping it out of sewers and watercourses.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
-----------------------------	-------------------------------------------------------------------------------

### 6.2. Environmental precautions

<b>Environmental precautions</b>	Avoid or minimise the creation of any environmental contamination.
----------------------------------	--------------------------------------------------------------------

### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	Do not touch or walk into spilled material. Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Small Spillages: If the product is soluble in water, dilute the spillage with water and mop it up.
--------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

### 6.4. Reference to other sections

<b>Reference to other sections</b>	For waste disposal, see Section 13. See Section 11 for additional information on health hazards. See Section 1 for emergency contact information.
------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

## 2Lt SUPER PROFESSIONAL ECO SELECT CONCENTRATED WASHROOM CLEANER ES7

<b>Usage precautions</b>	Avoid spilling. Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Use biocides safely. Always read the label and product information before use.
<b>Advice on general occupational hygiene</b>	Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product. Wash promptly with soap and water if skin becomes contaminated. Take off immediately all contaminated clothing and wash it before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

<b>Storage precautions</b>	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.
<b>Storage class</b>	Corrosive storage.

### 7.3. Specific end use(s)

<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.2.
----------------------------	-------------------------------------------------------------------

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### 2-(2-BUTOXYETHOXY)ETHANOL

Long-term exposure limit (8-hour TWA): WEL 10 ppm 67.5 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 15 ppm 101.2 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

#### CITRIC ACID ANHYDROUS (CAS: 77-92-9)

<b>DNEL</b>	Available hazard data do not support the need for a DNEL to be established for other health effects.
<b>PNEC</b>	<ul style="list-style-type: none"> <li>- Fresh water; 0.44 mg/l</li> <li>- marine water; 0.044 mg/l</li> <li>- STP; &gt;1000 mg/l</li> <li>- Sediment (Freshwater); 34.6 mg/kg</li> <li>- Sediment (Marinewater); 3.46 mg/kg</li> <li>- Soil; 33.1</li> </ul>

#### ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16)) (CAS: 68424-85-1)

<b>DNEL</b>	<p>Workers - Dermal; Long term systemic effects: 5.7 mg/kg/day</p> <p>Workers - Inhalation; Long term systemic effects: 3.96 mg/m<sup>3</sup></p> <p>General population - Oral; Long term systemic effects: 3.4 mg/kg/day</p> <p>General population - Dermal; Long term systemic effects: 3.4 mg/kg/day</p> <p>General population - Inhalation; Long term systemic effects: 1.64 mg/m<sup>3</sup></p>
<b>PNEC</b>	<ul style="list-style-type: none"> <li>- Fresh water; 0.001 mg/l</li> <li>Intermittent release, Fresh water; 0 mg/l</li> <li>marine water; 0.001 mg/l</li> <li>STP; 0.4 mg/l</li> <li>Sediment (Freshwater); 12.27 mg/kg</li> <li>Sediment (Marinewater); 13.09 mg/kg</li> <li>Soil; 7 mg/kg</li> </ul>

#### 2-(2-BUTOXYETHOXY)ETHANOL (CAS: 112-34-5)

## 2Lt SUPER PROFESSIONAL ECO SELECT CONCENTRATED WASHROOM CLEANER ES7

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 67.5 mg/m <sup>3</sup>
	Workers - Inhalation; Long term local effects: 67.5 mg/m <sup>3</sup>
	Workers - Dermal; Long term systemic effects: 20 mg/kg/day
	General population - Inhalation; Long term systemic effects: 34 mg/m <sup>3</sup>
	General population - Inhalation; Long term local effects: 34 mg/m <sup>3</sup>
	General population - Inhalation; Short term local effects: 34 mg/m <sup>3</sup>
	General population - Inhalation; Short term local effects: 50.6 mg/m <sup>3</sup>
	General population - Dermal; Long term systemic effects: 10 mg/kg/day
General population - Oral; Long term systemic effects: 1.25 mg/kg/day	

<b>PNEC</b>	- Fresh water; 1 mg/l
	- marine water; 0.1 mg/l
	- Intermittent release; 3.9 mg/l
	- STP; 200 mg/l
	- Sediment (Freshwater); 4 mg/kg
	- Sediment (Marinewater); 0.4 mg/kg
	- Soil; 0.4 mg/kg

### ALCOHOLS, C12-14, ETHOXYLATED (CAS: 68439-50-9)

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 294 mg/m <sup>3</sup>
	Workers - Dermal; Long term systemic effects: 2080 mg/kg/day
	General population - Inhalation; Long term systemic effects: 87 mg/m <sup>3</sup>
	General population - Dermal; Long term systemic effects: 1250 mg/kg/day
	General population - Oral; Long term systemic effects: 25 mg/kg/day

<b>PNEC</b>	- Fresh water; 0.0437 mg/l
	- Intermittent release; 0.004 mg/l
	- STP; 10 mg/l
	- Sediment (Freshwater); 31 mg/kg
	- Sediment (Marinewater); 31 mg/kg
- Soil; 1 mg/kg	

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

#### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

#### Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

## 2Lt SUPER PROFESSIONAL ECO SELECT CONCENTRATED WASHROOM CLEANER ES7

<b>Hygiene measures</b>	Provide eyewash station and safety shower. Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
<b>Respiratory protection</b>	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.
<b>Environmental exposure controls</b>	Avoid releasing into the environment.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Colour</b>	Red.
<b>Odour</b>	Perfume.
<b>pH</b>	pH (concentrated solution): 1-2
<b>Melting point</b>	Not determined.
<b>Initial boiling point and range</b>	No information available.
<b>Flash point</b>	Not determined.
<b>Evaporation rate</b>	No information available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	No information available.
<b>Vapour pressure</b>	No information available.
<b>Relative density</b>	~ 1.098 @ 20°C
<b>Solubility(ies)</b>	Soluble in water.
<b>Partition coefficient</b>	No information available.
<b>Auto-ignition temperature</b>	No information available.
<b>Viscosity</b>	Not determined.
<b>Explosive properties</b>	There are no chemical groups present in the product that are associated with explosive properties.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	There are no chemical groups present in the product that are associated with oxidising properties.
<b>Comments</b>	Information given is applicable to the product as supplied.

#### 9.2. Other information

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	Under normal conditions of storage and use, no hazardous reactions will occur.
-------------------	--------------------------------------------------------------------------------

## 2Lt SUPER PROFESSIONAL ECO SELECT CONCENTRATED WASHROOM CLEANER ES7

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** The following materials may react with the product: Strong oxidising agents. Strong mineral acids. Strong alkalis.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid excessive heat for prolonged periods of time.

### 10.5. Incompatible materials

**Materials to avoid** Avoid contact with oxidising agents. Strong acids. Strong alkalis.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Oxides of nitrogen.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects** Information given is based on data of the components and of similar products.

**Other health effects** There is no evidence that the product can cause cancer.

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Estimated value. Calculated from ingredient data.

**ATE oral (mg/kg)** 11,777.78

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

#### Skin corrosion/irritation

**Skin corrosion/irritation** Causes severe burns.

**Extreme pH** ≤ 2

#### Serious eye damage/irritation

**Serious eye damage/irritation** Corrosivity to eyes is assumed.

#### Respiratory sensitisation

**Respiratory sensitisation** Not sensitising. Based on available data the classification criteria are not met.

#### Skin sensitisation

**Skin sensitisation** Based on available data the classification criteria are not met.

#### Germ cell mutagenicity

**Genotoxicity - in vitro** Does not contain any substances known to be mutagenic.

#### Carcinogenicity

**Carcinogenicity** Does not contain any substances known to be carcinogenic.

#### Reproductive toxicity

**Reproductive toxicity - fertility** Does not contain any substances known to be toxic to reproduction.



## 2Lt SUPER PROFESSIONAL ECO SELECT CONCENTRATED WASHROOM CLEANER ES7

### Specific target organ toxicity - single exposure

**STOT - single exposure** Not classified as a specific target organ toxicant after a single exposure.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

### Aspiration hazard

**Aspiration hazard** Based on available data the classification criteria are not met.

**Inhalation** The product is considered to be a low hazard under normal conditions of use.

**Ingestion** This product is corrosive. May be harmful if swallowed. May cause burns in mucous membranes, throat, oesophagus and stomach.

**Skin contact** This product is corrosive. Prolonged or repeated exposure may cause the following adverse effects: Severe skin irritation. Redness. Chemical burns.

**Eye contact** This product is corrosive. A single exposure may cause the following adverse effects: Severe irritation, burning, tearing and blurred vision. Prolonged contact may cause burns.

### Toxicological information on ingredients.

#### CITRIC ACID ANHYDROUS

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,040.0

**Species** Mouse

**ATE oral (mg/kg)** 5,040.0

##### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 2,001.0

**Species** Rat

**ATE dermal (mg/kg)** 2,001.0

#### ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16))

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 397.5

**Species** Rat

**ATE oral (mg/kg)** 397.5

##### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 3,412.5

**Species** Rabbit

**ATE dermal (mg/kg)** 3,412.5

##### Skin corrosion/irritation

## 2Lt SUPER PROFESSIONAL ECO SELECT CONCENTRATED WASHROOM CLEANER ES7

**Skin corrosion/irritation** Corrosive to skin.

**Serious eye damage/irritation**

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

**Respiratory sensitisation**

**Respiratory sensitisation** Not sensitising.

**Skin sensitisation**

**Skin sensitisation** Not sensitising.

**Germ cell mutagenicity**

**Genotoxicity - in vitro** This substance has no evidence of mutagenic properties.

**Carcinogenicity**

**Carcinogenicity** Not classified.

**Reproductive toxicity**

**Reproductive toxicity - fertility** Not classified.

**Specific target organ toxicity - single exposure**

**STOT - single exposure** Not classified. Swallowing concentrated chemical may cause severe internal injury.

**Specific target organ toxicity - repeated exposure**

**STOT - repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

**Aspiration hazard**

**Aspiration hazard** Not classified.

### SECTION 12: Ecological information

**Ecotoxicity** There are no data on the ecotoxicity of this product. The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

**12.1. Toxicity**

**Toxicity** The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms. The product contains a substance which is harmful to aquatic organisms.

**Ecological information on ingredients.**

**CITRIC ACID ANHYDROUS**

**Acute aquatic toxicity**

**Acute toxicity - fish** LC<sub>50</sub>, 48 hours: 440 and 760 mg/l, *Leuciscus idus* (Golden orfe)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 24 hours: 1535 mg/l, *Daphnia magna*

**ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16))**

**Acute aquatic toxicity**

**LE(C)<sub>50</sub>** 0.01 < L(E)C<sub>50</sub> ≤ 0.1

## 2Lt SUPER PROFESSIONAL ECO SELECT CONCENTRATED WASHROOM CLEANER ES7

<b>M factor (Acute)</b>	10
<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 0.515 mg/l, Lepomis macrochirus (Bluegill)
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 0.016 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	LC <sub>50</sub> , : 0.03 mg/l,
<b><u>Chronic aquatic toxicity</u></b>	
<b>NOEC</b>	0.001 < NOEC ≤ 0.01
<b>Degradability</b>	Rapidly degradable
<b>M factor (Chronic)</b>	1
<b>Chronic toxicity - fish early life stage</b>	NOEC, : 0.32 mg/l,
<b>Chronic toxicity - aquatic invertebrates</b>	NOEC, : 0.025 mg/l, Daphnia magna NOEC, : 0.009 mg/l, Freshwater algae

### 12.2. Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product. The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

### Ecological information on ingredients.

#### CITRIC ACID ANHYDROUS

**Persistence and degradability** The product is biodegradable.

#### ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16))

**Phototransformation** REACH dossier information.  
Air - Half-life : 0.25 days

**Stability (hydrolysis)** REACH dossier information.  
- Half-life : 1 year @ 20°C

**Biodegradation** - 63-95%: 28 days

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** No information available.

### Ecological information on ingredients.

#### CITRIC ACID ANHYDROUS

**Bioaccumulative potential** The product is not bioaccumulating.

**Partition coefficient** log Pow: -1.72 REACH dossier information.

## 2Lt SUPER PROFESSIONAL ECO SELECT CONCENTRATED WASHROOM CLEANER ES7

### ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16))

**Bioaccumulative potential** Low potential for bioaccumulation.

**Partition coefficient** log Kow: 2.75

#### 12.4. Mobility in soil

**Mobility** The product is water-soluble and may spread in water systems.

#### Ecological information on ingredients.

### CITRIC ACID ANHYDROUS

**Mobility** Soluble in water.

### ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16))

**Henry's law constant** 0 Pa m<sup>3</sup>/mol @ 20°C

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

#### Ecological information on ingredients.

### CITRIC ACID ANHYDROUS

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16))

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

#### 12.6. Other adverse effects

**Other adverse effects** Not known.

#### Ecological information on ingredients.

### CITRIC ACID ANHYDROUS

**Other adverse effects** Not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal methods** The generation of waste should be minimised or avoided wherever possible. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## SECTION 14: Transport information

**General** For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.

### 14.1. UN number

**UN No. (ADR/RID)** 1760

## 2Lt SUPER PROFESSIONAL ECO SELECT CONCENTRATED WASHROOM CLEANER ES7

UN No. (IMDG)	1760
UN No. (ICAO)	1760
UN No. (ADN)	1760

### 14.2. UN proper shipping name

<b>Proper shipping name (ADR/RID)</b>	CORROSIVE LIQUID, N.O.S. (CONTAINS ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16)), ALCOHOLS, C12-14, ETHOXYLATED)
<b>Proper shipping name (IMDG)</b>	CORROSIVE LIQUID, N.O.S. (CONTAINS ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16)), ALCOHOLS, C12-14, ETHOXYLATED, HEXYL CINNAMAL, 1,3,4,6,7,8-HEXAHYDRO-4,6,6,7,8,8-HEXAMETHYL-INDENO[5,6-C]PYRAN)
<b>Proper shipping name (ICAO)</b>	CORROSIVE LIQUID, N.O.S. (CONTAINS ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16)), ALCOHOLS, C12-14, ETHOXYLATED)
<b>Proper shipping name (ADN)</b>	CORROSIVE LIQUID, N.O.S. (CONTAINS ALKYL (C12-16) DIMETHYLBENZYL AMMONIUM CHLORIDE (ADBAC/BKC (C12-16)), ALCOHOLS, C12-14, ETHOXYLATED)

### 14.3. Transport hazard class(es)

ADR/RID class	8
ADR/RID classification code	C9
ADR/RID label	8
IMDG class	8
ICAO class/division	8
ADN class	8

#### Transport labels



### 14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

### 14.5. Environmental hazards

#### Environmentally hazardous substance/marine pollutant



### 14.6. Special precautions for user

EmS	F-A, S-B
ADR transport category	1
Emergency Action Code	2X

## 2Lt SUPER PROFESSIONAL ECO SELECT CONCENTRATED WASHROOM CLEANER ES7

**Hazard Identification Number** 88  
(ADR/RID)

**Tunnel restriction code** (E)

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>National regulations</b>	The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended). Control of Pollution (Special Waste) Regulations 1980 (as amended). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits. The Hazardous Waste Regulations 2005.
<b>EU legislation</b>	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) 1907/2006, Waste Material Code 91/689/EEC Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
<b>Guidance</b>	Technical Guidance WM2: Hazardous Waste. COSHH Essentials. ECHA Guidance on the Application of the CLP Criteria. ECHA Guidance on the compilation of safety data sheets. Workplace Exposure Limits EH40.

### 15.2. Chemical safety assessment

Currently we do not have information from our suppliers about this.

## SECTION 16: Other information

**Abbreviations and acronyms used in the safety data sheet** EWC European Waste Catalogue  
STOT RE = Specific target organ toxicity-repeated exposure  
PBT: Persistent, Bioaccumulative and Toxic substance.  
vPvB: Very Persistent and Very Bioaccumulative.  
PNEC: Predicted No Effect Concentration.  
DNEL: Derived No Effect Level.

**Revision comments** This is the first issue.

**Revision date** 21/11/2019

**Revision** 1

## 2Lt SUPER PROFESSIONAL ECO SELECT CONCENTRATED WASHROOM CLEANER ES7

**SDS number** 22150

**Hazard statements in full**

- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.