



# NIELSEN

## SAFETY DATA SHEET Biocidal Cleaner and Sanitiser (FOODSAFE)

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

#### 1.1. Product identifier

**Product name** Biocidal Cleaner and Sanitiser (FOODSAFE)

**Internal identification** L161

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

**Identified uses** Detergent. Disinfectant.

**Uses advised against** Use only for intended applications.

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

**Supplier** NIELSEN CHEMICALS  
 RAWDON ROAD  
 MOIRA  
 SWADLINCOTE  
 DERBYSHIRE  
 DE12 6DA  
 TEL: +44 (0) 1283 222277  
 FAX: +44 (0) 1283 225731  
 info@nielsenchemicals.com

#### 1.4. Emergency telephone number

**Emergency telephone** +44 (0) 777 8505 330 (24 hrs). +44 (0) 1865 407333 (24 hrs). MEDICAL AND ENVIRONMENTAL EMERGENCIES ONLY.

### SECTION 2: Hazards identification

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

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

**Physical hazards** Not Classified

**Health hazards** Skin Irrit. 2 - H315 Eye Dam. 1 - H318

**Environmental hazards** Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

#### 2.2. Label elements

##### Pictogram



**Signal word** Danger

**Hazard statements** H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H400 Very toxic to aquatic life.  
 H411 Toxic to aquatic life with long lasting effects.

## Biocidal Cleaner and Sanitiser (FOODSAFE)

<b>Precautionary statements</b>	<p>P273 Avoid release to the environment.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310 Immediately call a POISON CENTER/ doctor.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p> <p>P280 Wear protective gloves, eye and face protection.</p>
<b>Contains</b>	Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides, COCO AMIDO PROPYL BETAINE
<b>Detergent labelling</b>	< 5% amphoteric surfactants, < 5% disinfectants, < 5% phosphates

### 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>Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides</b>	<b>1-5%</b>
CAS number: 68424-85-1                      EC number: 939-350-2 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>TETRA POTASSIUM PYROPHOSPHATE</b>	<b>1-5%</b>
CAS number: 7320-34-5                      EC number: 230-785-7                      REACH registration number: 01-2119489369-18-XXXX	
<b>Classification</b> Eye Irrit. 2 - H319	
<b>COCO AMIDO PROPYL BETAINE</b>	<b>1-5%</b>
CAS number: 61789-40-0                      EC number: 931-296-8                      REACH registration number: 01-2119488533-30-xxxx	
<b>Classification</b> Eye Dam. 1 - H318 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>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.

## Biocidal Cleaner and Sanitiser (FOODSAFE)

<b>Skin contact</b>	Rinse with water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

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

<b>Inhalation</b>	Coughing, chest tightness, feeling of chest pressure.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Causes serious eye damage.

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

<b>Notes for the doctor</b>	No specific recommendations.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Use fire-extinguishing media suitable for the surrounding fire.
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### 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: Ammonia or amines. Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). Nitrous gases (NO <sub>x</sub> ).
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### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	No specific firefighting precautions known.
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## SECTION 6: Accidental release measures

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

<b>Personal precautions</b>	Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Do not touch or walk into spilled material. Avoid contact with skin, eyes and clothing. Take care as floors and other surfaces may become slippery. Avoid contact with contaminated tools and objects. Wash thoroughly after dealing with a spillage.
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### 6.2. Environmental precautions

<b>Environmental precautions</b>	Do not discharge into drains or watercourses or onto the ground.
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### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Do not touch or walk into spilled material. Do not discharge into drains or watercourses or onto the ground. Absorb spillage with inert, damp, non-combustible material. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage.
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### 6.4. Reference to other sections

<b>Reference to other sections</b>	For personal protection, see Section 8.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

## Biocidal Cleaner and Sanitiser (FOODSAFE)

### Usage precautions

Read label before use. Use biocides safely. Always read the label and product information before use. To avoid risks to human health and the environment, comply with the instructions for use. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Avoid contact with skin, eyes and clothing. Do not empty into drains. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

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

**Storage precautions** Store at temperatures between 5°C and 30°C.

**Storage class** Chemical storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides (CAS: 68424-85-1)

**DNEL** Industry - Dermal; Long term systemic effects: 5.7 mg/kg/day  
 Industry - Inhalation; Long term systemic effects: 3.96 mg/m<sup>3</sup>  
 Consumer - Oral; Long term systemic effects: 3.4 mg/kg/day  
 Consumer - Dermal; Long term systemic effects: 3.4 mg/kg/day  
 Consumer - Inhalation; Long term systemic effects: 1.64 mg/m<sup>3</sup>

**PNEC** - Fresh water; .0009 mg/l  
 - Marine water; .00096 mg/l  
 - Intermittent release; .00016 mg/l  
 - Sediment (Freshwater); 12.27 mg/kg  
 - Sediment (Marinewater); 13.09 mg/kg  
 - Soil; 7.0 mg/kg  
 - STP; 0.4 mg/l

#### tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate (CAS: 51981-21-6)

**DNEL** Workers - Inhalation; Long term systemic effects: 7.3 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 15,000 mg/kg/day  
 General population - Inhalation; Long term systemic effects: 1.8 mg/m<sup>3</sup>  
 General population - Dermal; Long term systemic effects: 7,500 mg/kg/day  
 General population - Oral; Long term systemic effects: 1.5 mg/kg/day

#### TETRA POTASSIUM PYROPHOSPHATE (CAS: 7320-34-5)

**DNEL** Industry - Inhalation; Long term systemic effects: 2.79  
 Consumer - Inhalation; Long term systemic effects: 0.68 mg/m<sup>3</sup>

**PNEC** - Fresh water; 0.05 mg/l  
 - Marine water; 0.005 mg/l

#### COCO AMIDO PROPYL BETAINE (CAS: 61789-40-0)

**DNEL** Industry - Dermal; Long term systemic effects: 12.5  
 Consumer - Dermal; Long term systemic effects: 7.5 mg/kg/day  
 Industry - Inhalation; Long term systemic effects: 44 mg/m<sup>3</sup>

## Biocidal Cleaner and Sanitiser (FOODSAFE)

### PNEC

- Fresh water; 0.0135 mg/l
- STP; 300 mg/l
- Soil; 0.8 mg/kg
- Sediment (Marinewater); 0.1 mg/kg
- Sediment (Freshwater); 1 mg/kg
- Marine water; 0.00135 mg/l

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation.

#### 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: Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with European Standard EN166.

#### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacture, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374. The selected gloves should have a breakthrough time of at least 4 hours. The breakthrough time for any glove material may be different for different glove manufacturers. When used with mixtures, the protection time of gloves cannot be accurately estimated. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Protective gloves should have a minimum thickness of 0.12 mm. Glove thickness is not necessarily a good measure of glove resistance as the permeation rate will depend on the exact glove composition. For work of short duration or where a high degree of manual dexterity is needed, use protective gloves made of: Nitrile rubber. Neoprene. Rubber (natural, latex). Specific work environments and material handling practices may vary, therefore safety procedures should be developed for each intended application. Repeated exposure to chemicals will degrade the ability of the glove to provide resistance to chemicals. The choice of protective gloves depends upon the chemicals being handled, and the conditions of work and use.

#### Hygiene measures

Wash hands thoroughly after handling.

### SECTION 9: Physical and Chemical Properties

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

Appearance	Colourless to pale yellow liquid.
Colour	Yellow.
Odour	Mild.
pH	pH (concentrated solution): 11.0
Relative density	1.04 @ 25°C
Solubility(ies)	Soluble in water.

#### 9.2. Other information

## Biocidal Cleaner and Sanitiser (FOODSAFE)

Other information Not determined.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

#### 10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

#### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not determined.

#### 10.4. Conditions to avoid

Conditions to avoid There are no known conditions that are likely to result in a hazardous situation.

#### 10.5. Incompatible materials

Materials to avoid No specific material or group of materials is likely to react with the product to produce a hazardous situation.

#### 10.6. Hazardous decomposition products

Hazardous decomposition products Thermal decomposition or combustion products may include the following substances: Ammonia or amines. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Nitrous gases (NO<sub>x</sub>).

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

ATE oral (mg/kg) 9,060.45

##### Skin corrosion/irritation

Extreme pH Moderate pH (> 2 and < 11.5).

Inhalation Coughing, chest tightness, feeling of chest pressure.

Ingestion May cause discomfort if swallowed.

Skin contact Causes skin irritation.

Eye contact Causes serious eye damage.

#### Toxicological information on ingredients.

##### Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides

##### 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) 3,412.0

## Biocidal Cleaner and Sanitiser (FOODSAFE)

**Species** Rabbit  
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate

Acute toxicity - oral

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

**Species** Rat

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

Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 2,000.1

**Species** Rat

**ATE dermal (mg/kg)** 2,000.1

### TETRA POTASSIUM PYROPHOSPHATE

Acute toxicity - oral

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

**Species** Rat

Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 7,940.0

**Species** Rabbit

Reproductive toxicity

**Reproductive toxicity - development** Embryotoxicity: - NOAEL: > 128 mg/kg, Oral, Rabbit

Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** NOAEL < 10000 mg/kg, Oral, Rat

### COCO AMIDO PROPYL BETAINE

Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,000.0

**Species** Rat

## SECTION 12: Ecological Information

**Ecotoxicity** Very toxic to aquatic life.

### 12.1. Toxicity

Acute aquatic toxicity

**Acute toxicity - fish** Not determined.

Ecological information on ingredients.

## Biocidal Cleaner and Sanitiser (FOODSAFE)

### Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides

#### Acute aquatic toxicity

LE(C) <sub>50</sub>	0.01 < L(E)C <sub>50</sub> ≤ 0.1
M factor (Acute)	10
Acute toxicity - aquatic invertebrates	EC <sub>50</sub> , 48 hours: 0.03 mg/l mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC <sub>50</sub> , 96 hours: ~ 0.06 mg/l, Selenastrum capricornutum

#### Chronic aquatic toxicity

M factor (Chronic)	1
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### tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate

#### Acute aquatic toxicity

Acute toxicity - fish	LC <sub>50</sub> , 96 hours: > 100 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC <sub>50</sub> , 48 hours: > 100 mg/l, Daphnia magna

### TETRA POTASSIUM PYROPHOSPHATE

#### Acute aquatic toxicity

Acute toxicity - fish	LC <sub>50</sub> , 96 hours: > 100 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC <sub>50</sub> , 48 hours: 100 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC <sub>50</sub> , 72 hours: 100 mg/l, Freshwater algae

### COCO AMIDO PROPYL BETAINE

#### Acute aquatic toxicity

Acute toxicity - fish	LC <sub>50</sub> , 96 hours: 1.11 mg/l, Pimephales promelas (Fat-head Minnow) LC <sub>50</sub> , 96 hours: 1.1 mg/l, Cyprinodon variegatus (Sheepshead minnow)
Acute toxicity - aquatic invertebrates	EC <sub>50</sub> , 48 hours: 1.9 mg/l, Freshwater invertebrates EC <sub>50</sub> , : 0.3 mg/l, Freshwater invertebrates EC <sub>50</sub> , 48 hours: 21.5 mg/l mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC <sub>50</sub> , 48 hours: 30.0 mg/l, Marinewater algae

### 12.2. Persistence and degradability

**Persistence and degradability** The product is expected to be biodegradable.

### 12.3. Bioaccumulative potential

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

### 12.4. Mobility in soil

**Mobility** The product is soluble in water.

### 12.5. Results of PBT and vPvB assessment

## Biocidal Cleaner and Sanitiser (FOODSAFE)

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

### 12.6. Other adverse effects

**Other adverse effects** Not determined.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## SECTION 14: Transport information

### Special Provisions note

#### 14.1. UN number

UN No. (ADR/RID)	3082
UN No. (IMDG)	3082
UN No. (ICAO)	3082
UN No. (ADN)	3082

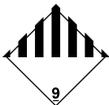
#### 14.2. UN proper shipping name

<b>Proper shipping name (ADR/RID)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alkyldimethylbenzylammonium chloride)
<b>Proper shipping name (IMDG)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alkyldimethylbenzylammonium chloride)
<b>Proper shipping name (ICAO)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alkyldimethylbenzylammonium chloride)
<b>Proper shipping name (ADN)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alkyldimethylbenzylammonium chloride)

#### 14.3. Transport hazard class(es)

<b>ADR/RID class</b>	9
<b>IMDG class</b>	9
<b>ICAO class/division</b>	9
<b>ADN class</b>	9

#### Transport labels



#### 14.4. Packing group

<b>ADR/RID packing group</b>	III
<b>IMDG packing group</b>	III
<b>ICAO packing group</b>	III

#### 14.5. Environmental hazards

## Biocidal Cleaner and Sanitiser (FOODSAFE)

Environmentally hazardous substance/marine pollutant



### 14.6. Special precautions for user

Tunnel restriction code (-)

### 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.

Annex II of MARPOL 73/78

and the IBC Code

## SECTION 15: Regulatory information

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

**National regulations** Control of Substances Hazardous to Health Regulations 2002 (as amended).

**EU legislation** Commission Regulation (EU) No 453/2010 of 20 May 2010.  
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).

**Guidance** Workplace Exposure Limits EH40.

### 15.2. Chemical safety assessment

## SECTION 16: Other information

**Abbreviations and acronyms used in the safety data sheet**

ATE: Acute Toxicity Estimate.  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
CAS: Chemical Abstracts Service.  
DNEL: Derived No Effect Level.  
EC<sub>50</sub>: 50% of maximal Effective Concentration.  
IATA: International Air Transport Association.  
IMDG: International Maritime Dangerous Goods.  
LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.  
LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).  
PBT: Persistent, Bioaccumulative and Toxic substance.  
PNEC: Predicted No Effect Concentration.  
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.  
vPvB: Very Persistent and Very Bioaccumulative.  
UN: United Nations.  
NOAEL: No Observed Adverse Effect Level.  
IBC: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code).  
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.

**Revision comments** NOTE: Lines within the margin indicate significant changes from the previous revision.

**Revision date** 17/11/2017

**Revision** 1.1

**Supersedes date** 09/05/2017

## Biocidal Cleaner and Sanitiser (FOODSAFE)

<b>SDS number</b>	26967
<b>Hazard statements in full</b>	H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. 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.

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.