



# NIELSEN

## SAFETY DATA SHEET XL SHAMPOO

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

#### 1.1. Product identifier

Product name XL SHAMPOO

Internal identification L080

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

Identified uses Cleaning agent.

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 Eye Irrit. 2 - H319

Environmental hazards Not Classified

#### 2.2. Label elements

Pictogram



Signal word Warning

Hazard statements H319 Causes serious eye irritation.  
 EUH208 Contains METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6. May produce an allergic reaction.

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<b>Precautionary statements</b>	P280 Wear protective gloves, eye and face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/ attention. P501 Dispose of contents/ container in accordance with national regulations.
<b>Supplemental label information</b>	EUH210 Safety data sheet available on request.
<b>Detergent labelling</b>	< 5% aliphatic hydrocarbons, < 5% amphoteric surfactants, < 5% EDTA and salts thereof, < 5% non-ionic surfactants, < 5% perfumes, Contains d-LIMONENE, METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6, METHYLISOTHIAZOLINONE

### 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>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		
<b>ALKYL AMINE OXIDE</b>		<b>1-5%</b>
CAS number: 68955-55-5	EC number: 273-281-2	REACH registration number: 01-2119490061-47-0000
M factor (Acute) = 1		
<b>Classification</b> Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411		



## XL SHAMPOO

### SECTION 6: Accidental release measures

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

**Personal precautions**      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. Do not handle broken packages without protective equipment. Wash thoroughly after dealing with a spillage.

#### 6.2. Environmental precautions

**Environmental precautions**      Do not discharge into drains or watercourses or onto the ground.

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

**Methods for cleaning up**      Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely. 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.

#### 6.4. Reference to other sections

**Reference to other sections**      Wear protective clothing as described in Section 8 of this safety data sheet.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions**      Wear protective gloves, eye and face protection. Avoid contact with skin, eyes and clothing. Do not empty into drains. Do not eat, drink or smoke when using this product. Do not reuse empty containers. Do not use in paint spraying equipment. Do not handle broken packages without protective equipment. Wash skin thoroughly after handling.

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

**Storage precautions**      Store at temperatures between 4°C and 40°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

#### 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>

**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

#### ALKYL AMINE OXIDE (CAS: 68955-55-5)

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<b>DNEL</b>	Workers - Dermal; systemic effects: 11 mg/kg/day
	Workers - Inhalation; Long term systemic effects: 15.5 mg/m <sup>3</sup>
	Workers - Dermal; local effects: 0.27 %
	General population - Dermal; systemic effects: 5.5 mg/kg/day
	General population - Inhalation; systemic effects: 3.8 mg/m <sup>3</sup>
	General population - Oral; systemic effects: 0.44 mg/kg/day

<b>PNEC</b>	- Fresh water; 0.0335 mg/l
	- Marine water; 0.00335 mg/l
	- Water, Intermittent release; 0.0335 mg/l
	- Sediment (Freshwater); 5.24 mg/kg
	- Sediment (Marinewater); 0.524 mg/l
	- Soil; 1.02 mg/kg
- STP; 24 mg/kg	

### TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects, local effects: 1.5 mg/m <sup>3</sup>
	Workers - Inhalation; Short term systemic effects, local effects: 3 mg/m <sup>3</sup>
	Consumer - Inhalation; Long term local effects, systemic effects: 0.6 mg/m <sup>3</sup>
	Consumer - Inhalation; Short term local effects, systemic effects: 1.2 mg/m <sup>3</sup>
	Consumer - Oral; Long term systemic effects, local effects: 25 mg/m <sup>3</sup>

<b>PNEC</b>	- Fresh water; 2.2 mg/l
	- Marine water; 0.22 mg/l
	- Intermittent release; 1.2 mg/l
	- STP; 43 mg/l
	- Soil; 0.72 mg/kg

### 3-BUTOXYPROPAN-2-OL (CAS: 5131-66-8)

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 270.5 mg/m <sup>3</sup>
	Workers - Dermal; Long term systemic effects: 44 mg/kg/day
	General population - Inhalation; Long term systemic effects: 33.8 mg/m <sup>3</sup>
	General population - Dermal; Long term systemic effects: 16 mg/kg/day
General population - Oral; Long term systemic effects: 8.75 mg/kg/day	

<b>PNEC</b>	- Fresh water; 0.525 mg/l
	- Marine water; 0.0525 mg/l
	- Intermittent release; 5.25 mg/l
	- STP; 10 mg/l
	- Sediment (Freshwater); 2.36 mg/kg
	- Sediment (Marinewater); 0.236 mg/kg
- Soil; 0.16 mg/kg	

## 8.2. Exposure controls

### Protective equipment



### 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.

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### 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/manufacturer, 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. Glove thickness is not necessarily a good measure of glove resistance as the permeation rate will depend on the exact glove composition. The choice of protective gloves depends upon the chemicals being handled, and the conditions of work and use. Repeated exposure to chemicals will degrade the ability of the glove to provide resistance to chemicals. Specific work environments and material handling practices may vary, therefore safety procedures should be developed for each intended application. 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). Protective gloves should have a minimum thickness of 0.12 mm.

### Hygiene measures

Wash contaminated clothing before reuse. Wash hands after handling.

## SECTION 9: Physical and Chemical Properties

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

Appearance	Opaque liquid.
Colour	Light (or pale). Orange.
Odour	Pleasant, agreeable.
pH	pH (concentrated solution): 8.0
Relative density	1.01 @ 25°C
Solubility(ies)	Soluble in water.

### 9.2. Other information

Other information	Not determined.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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### 10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not determined.
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### 10.4. Conditions to avoid

Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
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### 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.
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### 10.6. Hazardous decomposition products

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**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) 87,334.81

**Ingestion** Gastrointestinal symptoms, including upset stomach.

**Skin contact** Prolonged contact may cause redness, irritation and dry skin. The product contains a small amount of sensitising substance.

**Eye contact** Causes serious eye irritation.

#### Toxicological information on ingredients.

##### COCO AMIDO PROPYL BETAINE

###### Acute toxicity - oral

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

Species Rat

##### ALKYL AMINE OXIDE

###### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 1,064.0

Species Rat

###### Notes (oral LD<sub>50</sub>)

ATE oral (mg/kg) 1,064.0

###### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 2,000.01

Species Rat

ATE dermal (mg/kg) 2,000.01

##### TETRASODIUM ETHYLENE DIAMINE TETRACETATE

###### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 1,780.0

Species Rat

ATE oral (mg/kg) 1,780.0

###### Acute toxicity - inhalation

Notes (inhalation LC<sub>50</sub>)

**XL SHAMPOO**

ATE inhalation (gases ppm)	11,250.0
ATE inhalation (vapours mg/l)	27.5
ATE inhalation (dusts/mists mg/l)	3.75

**3-BUTOXYPROPAN-2-OL****Acute toxicity - oral**

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

Species Rat

ATE oral (mg/kg) 2,000.1

**Acute toxicity - dermal**

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

Species Rat

ATE dermal (mg/kg) 2,000.1

**METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6****Acute toxicity - oral**

Acute toxicity oral (LD<sub>50</sub> mg/kg) 53.0

Species Rat

Notes (oral LD<sub>50</sub>) Estimated value.

ATE oral (mg/kg) 53.0

**Acute toxicity - dermal**

ATE dermal (mg/kg) 300.0

**Acute toxicity - inhalation**

ATE inhalation (vapours mg/l) 3.0

**Skin sensitisation**

Skin sensitisation Guinea pig maximization test (GPMT) - Guinea pig: Sensitising.

**SECTION 12: Ecological Information**

Ecotoxicity Not regarded as dangerous for the environment.

**12.1. Toxicity****Acute aquatic toxicity**

Acute toxicity - fish Not determined.

**Ecological information on ingredients.**

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### COCO AMIDO PROPYL BETAINE

#### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	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)
<b>Acute toxicity - aquatic invertebrates</b>	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
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 48 hours: 30.0 mg/l, Marinewater algae

### ALKYL AMINE OXIDE

#### Acute aquatic toxicity

<b>LE(C)<sub>50</sub></b>	0.1 < L(E)C <sub>50</sub> ≤ 1
<b>M factor (Acute)</b>	1
<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: <1 mg/l, Fish
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 3.1 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 72 hours: 0.14 mg/l, Algae

### TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

#### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: > 100 mg/l, Lepomis macrochirus (Bluegill)
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: >100 mg/l, Daphnia magna

### METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6

#### Acute aquatic toxicity

<b>LE(C)<sub>50</sub></b>	0.01 < L(E)C <sub>50</sub> ≤ 0.1
<b>M factor (Acute)</b>	10
<b>Acute toxicity - fish</b>	Estimated value. LC <sub>50</sub> , 96 hours: 13 mg/l, Fish

#### Chronic aquatic toxicity

<b>NOEC</b>	0.001 < NOEC ≤ 0.01
<b>Degradability</b>	Non-rapidly degradable
<b>M factor (Chronic)</b>	10

#### 12.2. Persistence and degradability

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

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product does not contain any substances expected to be bioaccumulating.

#### 12.4. Mobility in soil

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**Mobility** Soluble in water.

### 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.

### 12.6. Other adverse effects

**Other adverse effects** Not determined.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal methods** Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

## SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### **Special Provisions note**

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

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

No transport warning sign required.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**  
No.

#### 14.6. Special precautions for user

Not applicable.

#### 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

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

## XL SHAMPOO

**EU legislation**

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (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).  
 Commission Regulation (EU) No 453/2010 of 20 May 2010.  
 Commission Regulation (EU) No 2015/830 of 28 May 2015.

**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.  
 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.  
 vPvB: Very Persistent and Very Bioaccumulative.  
 EC<sub>50</sub>: 50% of maximal Effective Concentration.  
 NOEC: No Observed Effect Concentration.  
 UN: United Nations.

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

**Revision date** 17/11/2017

**Revision** 3.0

**Supersedes date** 23/04/2015

**SDS number** 27105

**Hazard statements in full**

H301 Toxic if swallowed.  
 H302 Harmful if swallowed.  
 H311 Toxic in contact with skin.  
 H314 Causes severe skin burns and eye damage.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H319 Causes serious eye irritation.  
 H331 Toxic if inhaled.  
 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.  
 EUH208 Contains METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6. May produce an allergic reaction.

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.