



### 1. Identity of the substance

- Trade name: Exoquat HCB LA
- INCI name: Cocamidopropyl Betaine
- Product type: Amphoteric surfactant
- Manufacturing sites:

<b>EOC Surfactants NV</b>
Durmakker 35
9940 Evergem – Belgium
Phone: +32 (0)55 23 58 58

### 2. Indicative composition

Indicative composition in view of cosmetic labelling:

INCI name	CAS number	Quantity (%)
Aqua	7732-18-5	Ca. 64
Cocamidopropyl Betaine	61789-40-0	Ca. 36
Total		100



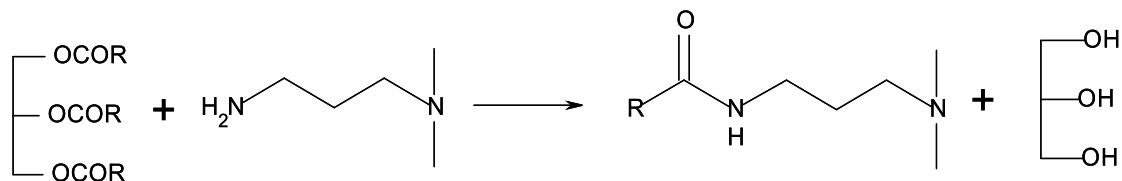
### 3. Information about the raw materials and manufacturing process

#### 3.1 Origin of raw materials:

Vegetable origin	Yes <i>More info: see PRF</i>
Synthetic origin	Yes
Animal origin	No

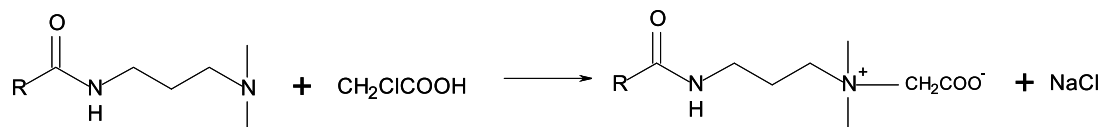
#### 3.2 Description of the manufacturing process

##### 3.2.1 Preparation of amido-amine:



with R = C<sub>8</sub>-C<sub>18</sub>

##### 3.2.2 Preparation of betaine:



with R = C<sub>8</sub>-C<sub>18</sub>

#### 3.3 Additives and processing aids

Preservative	Not intentionally added
Antioxidants	Not intentionally added
Solvents	Not intentionally added
Complexing agents	Not intentionally added



## 4. Microbiological specification

Bacteria (aerobic)	<100 CFU/g (dipslide TTC agar)
Yeasts and moulds	<100 CFU/g (dipslide malt agar)
Data on testing for pathogenic micro-organisms	<p>Challenge tests prove the self-preserving properties<sup>1</sup> of Exoquat HCB LA against:</p> <ul style="list-style-type: none"> <li>• Staphylococcus aureus</li> <li>• Kocuria rhizophila</li> <li>• Enterobacter gergoviae</li> <li>• Escherichia coli</li> <li>• Klebsiella pneumoniae</li> <li>• Pseudomonas aeruginosa</li> <li>• Pseudomonas fluorescens</li> <li>• Pseudomonas putida</li> <li>• Candida albicans</li> <li>• Aspergillus brasiliensis</li> <li>• Penicillium pinophilum</li> </ul>

## 5. By-products and impurities

Information about residues and by-products:

Substance	Type and concentration	Analytical method
Sodium chloride	See datasheet	Titration
Monochloroacetic acid (MCA)	See datasheet	Ion Chromatography
Dichloroacetic acid (DCA)	Max. 10 ppm (BE) - Ca. 15 ppm (IT)	Ion Chromatography
Sodium glycolate	Max. 6500 ppm	Ion Chromatography
Free fatty acid	Ca. 0.8%	HPLC
Glycerin	Ca. 2%	HPLC
Amido-amine	See datasheet	Titration
Dimethylaminopropylamine (DMAPA) <sup>2</sup>	Max. 10 ppm (Results based on the analysis of similar products)	LC – MS



Information about other contaminants:

Substance	Type and concentration
1.4 - dioxane	Not expected to be present due to raw materials/reaction process
Ethylene oxide	Not expected to be present due to raw materials/reaction process
Monomers	Not expected to be present due to raw materials/reaction process
Formaldehyde <sup>3</sup>	Ca. 5 ppm ( <i>Technically unavoidable impurity</i> )
Nitrosamines <sup>4</sup>	< 50 ppb (LOQ) ATNC as NNO
Pesticides	Not expected to be present due to raw materials/reaction process
Polyaromatic hydrocarbons	Not expected to be present due to raw materials/reaction process
Heavy metals <sup>5</sup>	<ul style="list-style-type: none"><li>• Pb &lt; 1 ppm</li><li>• Cd &lt; 1 ppm</li><li>• Hg &lt; 1 ppm</li><li>• As &lt; 1 ppm</li><li>• Co &lt; 1 ppm</li><li>• Cr &lt; 1 ppm</li><li>• Sb &lt; 1 ppm</li><li>• Ni &lt; 1 ppm</li><li>• Cu &lt; 1 ppm</li></ul>

## 6. Toxicological data

See SDS + ECHA <https://echa.europa.eu/nl/registration-dossier/-/registered-dossier/15295>

## 7. Ecological data

See SDS + ECHA <https://echa.europa.eu/nl/registration-dossier/-/registered-dossier/15295>



### Disclaimer

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### References

<sup>1</sup> Test report Schülke nr. 16-1237, 01/12/2016

<sup>2</sup> Test report RIC R2019.068, 4/4/2019

<sup>3</sup> Spectrophotometer

<sup>4</sup> Test report LGC Report nr CP-22000277-201 (0001360582 – 0001360583), 19/12/2022

*The total amount of present nitrosamines, also called apparent total N-nitroso compounds (ATNC) content, is detected as released nitrous oxide (NNO) by a Thermal Energy Analyser and reported in terms of NNO per g.*

<sup>5</sup> Test report Intertek Report 2022-LCM-2650EN, 10/10/2022