



EXOquat HCB BA

Product Information Profile

Last update: 01/01/2024

1. Identity of the substance

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

EOC Surfactants NV
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
Sodium Benzoate	532-32-1	0.1 – 1
Total		100



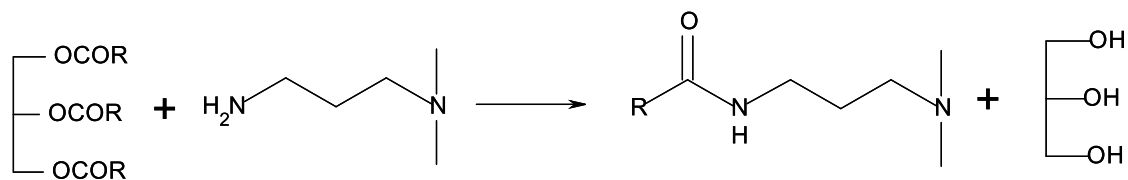
3. Information about the raw materials and manufacturing process

3.1 Origin of raw materials:

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

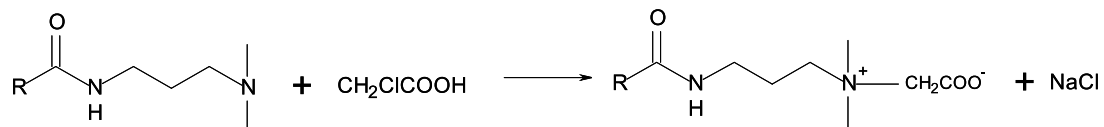
3.2 Description of the manufacturing process

3.2.1 Preparation of amido-amine:



with R= C₈-C₁₈

3.2.2 Preparation of betaine:



with R= C₈-C₁₈

3.3 Additives and processing aids

Preservative	0.5% Sodium benzoate
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 ¹ prove that the above-mentioned concentration of preservative in Exoquat HCB BA was sufficient to inhibit the growth of:</p> <ul style="list-style-type: none"> • Staphylococcus aureus • Kocuria rhizophila • Enterobacter gergoviae • Escherichia coli • Klebsiella pneumoniae • Pseudomonas aeruginosa • Pseudomonas fluorescens • Pseudomonas putida • Candida albicans • Aspergillus brasiliensis • Penicillium pinophilum

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) ²	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 ³	Ca. 5 ppm (<i>Technically unavoidable impurity</i>)
Nitrosamines ⁴	< 50 ppb (LOQ) ATNC as NNO (<i>Results based on the analysis of similar products</i>)
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 ⁵	<ul style="list-style-type: none">• Pb < 1 ppm• Cd < 1 ppm• Hg < 1 ppm• As < 1 ppm• Co < 1 ppm• Cr < 1 ppm• Sb < 1 ppm• Ni < 1 ppm• Cu < 1 ppm

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>



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References

¹ Test report 2003-8487 Cosmebac, 24/06/2003

² Test report RIC R2019.068, 4/4/2019

³ Spectrophotometer

⁴ 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.

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