1. Identity of the substance

- Trade name: Exodime CPO
- INCI name: Cocamidopropylamine Oxide
- Product type: Nonionic surfactant
- Manufacturing sites:

EOC Surfactants NV	EOC Italia, Branch of EOC Belgium
Durmakker 35	Via Famiglia Iona 25
9940 Evergem – Belgium	13100 Vercelli – Italy
Phone: +32 (0)55 23 58 58	Phone: +39 (0)161 39 46 95

2. Indicative composition

Indicative composition in view of cosmetic labelling:

INCI name	CAS number	Quantity (%)
Aqua	7732-18-5	Ca. 63
Cocamidopropylamine Oxide	68155-09-9	Ca. 37
Total		100

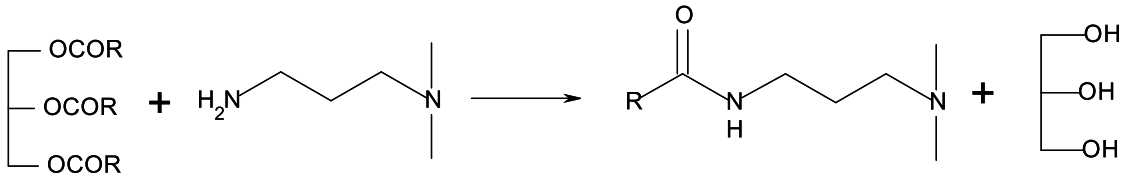
3. Information about the raw materials and manufacturing process

3.1 Origin of raw materials:

Vegetable origin	Yes *More info: see PRF*
Synthetic origin	Yes
Animal origin	No

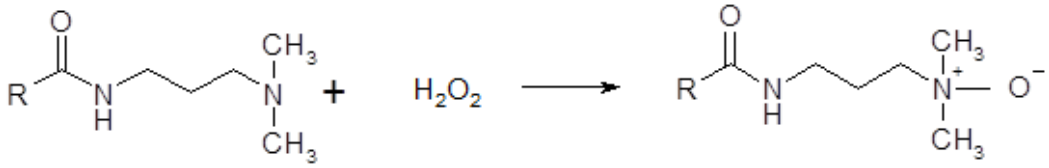
3.2 Description of the manufacturing process

3.2.1 Preparation of amido-amine:



with R= C_8-C_{18}

3.2.2 Preparation of aminoxide:



with R= C_8-C_{18}

3.3 Additives and processing aids

Preservative	Not intentionally added
Antioxidants	Not intentionally added
Solvents	Not intentionally added
Complexing agents	0.02%

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	Challenge tests [1] prove the microbial robustness properties of Exodime CPO against: • Staphylococcus aureus • Escherichia coli • Pseudomonas aeruginosa • Candida albicans • Aspergillus brasiliensis

5. By-products and impurities

Information about residues and by-products:

Substance	Type and concentration	Analytical method
Amido-amine	See datasheet	Titration
Hydrogen peroxide	See datasheet	Titration
Glycerin	Ca. 3.3%	HPLC

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
Solvent residues	Not expected to be present due to raw materials/reaction process
Monomers	Not expected to be present due to raw materials/reaction process
Formaldehyde[2]	Ca. 35 ppm *(Technically unavoidable impurity)*
Nitrosamines[3]	Max. 100 ppb NDMA
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[4]	• 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/14163*

7. Ecological data

See SDS + ECHA *https://echa.europa.eu/nl/registration-dossier/-/registered-dossier/14163*

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References

[1] Testreport Cosmebac, report 2704446, date 02/03/2015
[2] Spectrophotometer
[3] Test report SGS, report 4925901, date 25/08/2020
[4] Test report Intertek, report 2022-LCM-2650EN, date 10/10/2022