



1. Identity of the substance

- Trade name: Exonac AN20
- INCI name: Sodium Laureth Sulfate (and) Glycol Distearate (and) Cocamide MEA (and) Laureth-10
- Product type: Pearlescent concentrate
- Manufacturing sites:

EOC Surfactants NV
Durmakker 35
9940 Evergem – Belgium
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2. Indicative composition

Indicative composition in view of cosmetic labelling:

INCI name	CAS number	Quantity (%)
Aqua	7732-18-5	> 50
Glycol Distearate	627-83-8	5 – 10
Sodium Laureth Sulfate	68891-38-3	10 – 25
Cocamide MEA	68140-00-1	1 – 5
Laureth-10	68439-50-9	1 – 5
Phenoxyethanol	122-99-6	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

Proprietary, mixing the ingredients.

3.3 Additives and processing aids

Preservative	0.3% Phenoxyethanol
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 Exonac AN20 was sufficient to inhibit the growth of:</p> <ul style="list-style-type: none">• Staphylococcus aureus• Staphylococcus epidermidis• Enterobacter gergoviae• Esherichia coli• Klebsiella pneumoniae• Pseudomonas aeruginosa• Pseudomonas fluorescens• Pseudomonas putida• Candida Albicans• Aspergillus niger• Penicillium funiculosum



5. By-products and impurities

Information about other contaminants:

Substance	Type and concentration
1.4 - dioxane ²	Max. 9 ppm
Ethylene oxide ³	Max. 0.1 ppm
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	No data available
Nitrosamines ⁴	< 50 ppb
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	No data available

6. Toxicological data

See SDS + ECHA

- Sodium laureth sulfate <https://echa.europa.eu/nl/registration-dossier/-/registered-dossier/15887>
- Glycol distearate <https://echa.europa.eu/nl/registration-dossier/-/registered-dossier/10129>
- Cocamide MEA <https://echa.europa.eu/nl/registration-dossier/-/registered-dossier/11715>
- Laureth-10

Acute toxicity	LD50 > 3000 mg/kg (rat)
Percutaneous permeation	22.9% dermal penetration in 48 hrs. in rat ⁵
Skin irritation (dermal irritation)	Mild irritant when applied in 500mg/24h on rabbit skin ⁷
Mucous membrane irritation (eye irritation)	Severe irritant when applied in 750µg/24h on rabbit skin ⁷
Mutagenicity	Several genetic toxicology tests: negative



7. Ecological data

See SDS + ECHA

- Sodium laureth sulfate <https://echa.europa.eu/nl/registration-dossier/-/registered-dossier/15887>
- Glycol distearate <https://echa.europa.eu/nl/registration-dossier/-/registered-dossier/10129>
- Cocamide MEA <https://echa.europa.eu/nl/registration-dossier/-/registered-dossier/11715>
- Laureth-10

Biodegradability	Readily biodegradable > 70 % (OECD 301A) ⁶
Aquatic toxicity (bacteria, algae, daphnia, fish)	LC50-96 Hours - Fish: > 0.1 - 1 mg/l EC50-48 Hours - Daphnia: > 0.1 - 1 mg/l EC50-72 Hours - Algae: > 0.1 - 1 mg/l ⁷
Water endangering class	2

Note: This document is also valid for the RSPO Mass Balance (MB) grade.

Disclaimer

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References

¹ Test report Schülke & Mayr, ref. 16-0398, 03/06/2016

² Based on data from raw material supplier

³ Based on data from raw material supplier

⁴ Based on data from raw material supplier

⁵ Roper, C.S.; Howes, D.; Blain, P.G.; Williams, F.M. Archives of Toxicology 1995, 69, 649-654

⁶ Data from raw material supplier

⁷ Based on data from raw material supplier