1. Identity of the substance

- Trade name: Exoglyc AMS
- INCI name: Sodium Cocoamphoacetate
- 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. 60
Sodium Cocoamphoacetate	68390-66-9	Ca. 40
Total		100

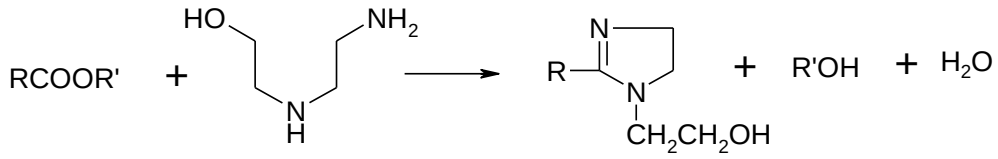
3. Information about the raw materials and manufacturing process

3.1 Origin of raw materials:

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

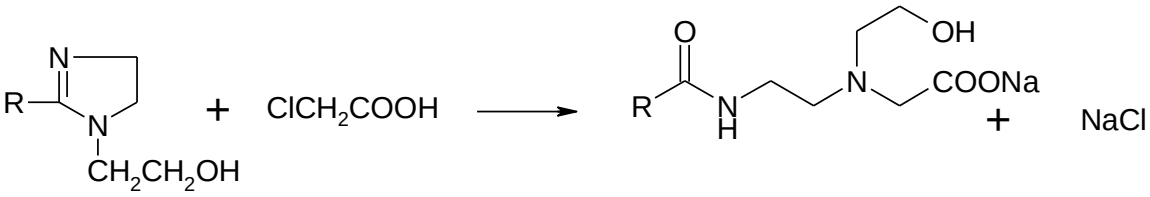
3.2 Description of the manufacturing process

3.2.1 Preparation of imidazoline:



with R=C_8-C_{18}

3.2.2 Preparation of monoacetate:



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	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	Challenge tests [1] prove the microbial robustness of Exoglyc AMS against: • 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 residues and by-products:

Substance	Type and concentration	Analytical method
Imidazoline	Max. 1.5%	Titration
Aminoethyl ethanolamine (AEEA)	Max. 5 ppm	LC-MS
Monochloroacetic acid (MCA)	Ca. 500 ppm	Ion Chromatography
Dichloroacetic acid (DCA)	Ca. 40 ppm	Ion Chromatography
Sodium chloride	See datasheet	Titration

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[2]	Ca. 5 ppm *(Technically unavoidable impurity)*
Nitrosamines	Not expected to be present due to raw materials/reaction process
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[3]	• As < 1 ppm • Cd < 0.1 ppm • Cr < 0.1 ppm • Ni < 1 ppm • Pb < 1 ppm • Hg < 0.1 ppm • Co < 1 ppm • Cu < 1 ppm

6. Toxicological data

See SDS + ECHA *https://echa.europa.eu/nl/registration-dossier/-/registered-dossier/14399*

7. Ecological data

See SDS + ECHA *https://echa.europa.eu/nl/registration-dossier/-/registered-dossier/14399*

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

Disclaimer

All recommendations for use of our products whether given by us in writing, orally, or to be implied from data or test results obtained by us, are based on the current state of our knowledge at the time such recommendations are made. When additional information is obtained, these recommendations may be updated. They may also be influenced by circumstances outside our control. Notwithstanding such recommendations, the user is responsible to determine that the product as supplied by us, is suitable for the process or purpose he intends to use it. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the product. Since we cannot control the application, use or processing of the products, we do not accept responsibility, therefore. The user shall ensure that the intended use of the products will not infringe in any party's intellectual property rights. This document replaces all previous versions.

References

[1] Test report Schülke & Mayr, ref HK 9175/2, 24.06.1999
[2] Spectrophotometer
[3] Data report R31945, 27.08.20