1. Identity of the substance

- Trade name: Exomide N2
- INCI name: Propylene Glycol (and) Cocamide MIPA (and) Laureth-4 (and) Soy Acid (and) Capric Acid (and) Caprylic Acid
- Product type: Nonionic surfactant blend
- 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 (%)
Propylene Glycol	57-55-6	25 – 50
Cocamide MIPA	68333-82-4	10 – 25
Laureth-4	68439-50-9	10 – 25
Soy Acid	68308-53-2	10 – 25
Capric Acid	334-48-5	1– 5
Caprylic Acid	68937-75-7	1 – 5
Tocopherol	10191-41-0	0.1 – 1
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

Proprietary, mixing of the ingredients.

3.3 Additives and processing aids

Preservative	Not intentionally added
Antioxidants	0.02% Tocopherol
Solvents	Propylene glycol
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 Exomide N2 against: • Staphylococcus aureus • Micrococcous luteus • Enterobacter gergoviae • Escherichia 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
Monoisopropanolamine (MIPA)	Max. 0.7%	Titration
Diisopropanolamine (DIPA)	Max. 200 ppm	Data from raw material suppliers

Information about other contaminants:

Substance	Type and concentration
1.4 - dioxane[2]	Max. 2 ppm
Ethylene oxide[3]	Max. 1 ppm
Monomers	Not expected to be present due to raw materials/reaction process
Formaldehyde	No data available
Nitrosamines[4]	< 50 ppb 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[5]	• As < 0.5 ppm • Cd < 0.5 ppm • Cr < 0.5 ppm • Ni < 0.5 ppm • Pb < 0.5 ppm • Hg < 0.5 ppm • Co < 0.5 ppm • Sb < 0.5 ppm

6. Toxicological data

See SDS + ECHA

- Propylene glycol *https://echa.europa.eu/nl/registration-dossier/-/registered-dossier/16001*
- Cocamide MIPA *https://echa.europa.eu/nl/registration-dossier/-/registered-dossier/13560*
- Laureth-4 *https://echa.europa.eu/nl/registration-dossier/-/registered-dossier/16040*
- C8-C10 fatty acid *https://echa.europa.eu/nl/registration-dossier/-/registered-dossier/15345*
- C10 fatty acid *https://echa.europa.eu/nl/registration-dossier/-/registered-dossier/18512*
- Soy fatty acid:

Acute toxicity	Not classified. LD50 oral rat: > 2000 mg/kg[6]
Skin irritation (dermal irritation)	Not classified[6]
Mucous membrane irritation (eye irritation)	Not classified[6]
Sensitization potential	Not classified[6]
Mutagenicity	Not classified[6]
Carcinogenicity	Not classified[6]

7. Ecological data

See SDS + ECHA

- Propylene glycol *https://echa.europa.eu/nl/registration-dossier/-/registered-dossier/16001*
- Cocamide MIPA *https://echa.europa.eu/nl/registration-dossier/-/registered-dossier/13560*
- Laureth-4 *https://echa.europa.eu/nl/registration-dossier/-/registered-dossier/16040*
- C8-C10 fatty acid *https://echa.europa.eu/nl/registration-dossier/-/registered-dossier/15345*
- C10 fatty acid *https://echa.europa.eu/nl/registration-dossier/-/registered-dossier/18512*
- Soy fatty acid:

Biodegradability	ThOD: 2.9 g O2/g substance[6]
Aquatic toxicity (bacteria, algae, daphnia, fish)[7]	No environmental hazard[6]
Water endangering class	1[6]

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 04-0014 Schülke & Mayr, 4 mar 2004
[2] Based on data from raw material suppliers
[3] Based on data from raw material suppliers
[4] Test report LGC, ref. CP-20000233-180, 24/11/2020
The total amount of present nitrosamines, also called apparent total N-nitroso compounds (ATNC) content, is detected as released nitrous oxide by a Thermal Energy Analyser and reported in terms of NNO per g
[5] Test report QACS, ref 2020-12634/20 10 04491 - 20 10 04490 - 20 10 04492, 24/12/2020
[6] Data from raw material suppliers
[7] Test report EPAS n° EOCS_1RP002, 16 apr 2010