

Technical Information

Kopacol™ N 70 NA ReNu ProValid since 31.03.2021
Revision 1.0

PRD 30749376

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Anionic Surfactant / Alkyl Ether Sulfate**INCI name(s)**

Sodium Laureth Sulfate

Chemical description

Sodium Laureth-2 Sulfate, approx. 70 % active

Physical form:

White to off-white paste

Molecular weight

approx. 382 g/mol

CASR-No.	Ingredient	Remark
68585-34-2	Sodium laureth sulfate	Most common description
68891-38-3	Sodium laureth sulfate	REACH registration

Characteristic values

The specifications stated in the paragraphs 'Quality control data' and 'Additional product descriptive data' finally and conclusively describe the properties of the product.

Quality control data

(Data which is used for quality release and is certified for each batch.)

Test property	Specification	Test method
Appearance at 25 °C	Corresponds to the standard	Internal method 10
FAES (MW 382)	68.00 - 72.00 %	Internal method 112WT
Unulfated Alcohol	max. 3.50 %	Internal method 153W
pH value (10 % solution)	7.00 - 9.00	Internal method 3W
Sodium chloride	max. 0.50 %	Internal method 62-SC
Sodium sulfate	max. 1.00 %	Internal method 62-SS
1, 4-dioxane	max. 10 ppm	Internal method 154A
Color, % trans., 440 nm	min. 90.0 %	Internal method 6P

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Storage information**Shelf life**

12 months

Storage temperature

Between + 20 °C and + 40 °C

Storage conditions

In original sealed containers and protected from moisture

Additional information

This product is considered self-preserving by virtue of its high active level (low water activity). Products with water activity below 0.6 are not susceptible to microbial growth.

This product may become difficult to handle at temperatures below 20 °C, and lower temperatures may result in crystallization or solidification.

The product will be irreversibly damaged at temperatures above 50 °C.

Under no circumstances may steam or an electric heating system be used to raise the temperature of the product. This will cause local surface overheating and irreversible damage to the product and storage tank.

To raise the temperature of the product a warm water or similar system is recommended set to 10 °C above the desired temperature, maximum 60 °C.

Products containing preservative or which have been preserved should be stored at the minimum possible temperature for handling to reduce depletion to a minimum.

Depending on the storage temperature, the pH may decrease with time.

If it is intended to store the product for an extended period at raised temperature the product should be monitored appropriately.

Product discoloration, change in consistency, and pH drop below 4 are all potential indications of product damage through improper heating.

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Stabilising additives / Auxiliaries**Preservatives**

not present

Antioxidants

not present

Solvents

not present

Others

not present

General information**Raw material basis**

Vegetable: (coconut / palm kernel oil)
Petrochemical: (ethylene Oxide)
Inorganic: (SO₃, NaOH)

Composition hints for finished product label**INCI Components**

INCI Name (US/EU/CN)	Content
Sodium Laureth Sulfate	68 - 72 %

Water Content

Content
28 - 32 %

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Miscellaneous information

Example of use

Kopacol™ N 70 NA ReNu Ultra/MB is used as a primary surfactant in shampoos, bath products, and personal cleansers, as well as in dishwashing and light duty detergents. The inclusion of ethylene oxide offers enhanced mildness compared to standard sodium lauryl sulfate while providing good flash foam characteristics and good viscosity response. Kopacol™ N 70 NA ReNu Ultra/MB is shipped as a high-active (~70 % FAES) flowable paste, which offers the formulator advantages in terms of reduced freight costs, less in-plant handling expense, maximized storage efficiency, and the ability to produce more concentrated formulations. Some special handling and dilution equipment is required.

Intended for use as cosmetic and home care ingredient

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