

Technical Information

6 H Q V DTM S E S O K	Valid since	31.03.2021
	Revision	1.0
PRD 30600428	Page	1 of 3

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Surfactant

INCI name(s)

Sodium Laureth Sulfate

Chemical description

Sodium Laureth-1 Sulfate, approx. 25 % active

Physical form:

Clear colorless liquid

Molecular weight

approx. 343 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	Clear liquid	Internal method 10
FAES (MW 343)	24.5 - 26.0 %	Internal method 112WT
Unulfated alcohol	max. 1.0 %	Internal method 153E
pH value (as is)	6.0 - 8.0	Internal method 3W
Sodium chloride	max. 0.2 %	Internal method 62-SC
Sodium sulfate	max. 0.3 %	Internal method 62-SS
1, 4-dioxane	max. 10 ppm	Internal method 154
Preservative	0.09 - 0.11 %	Internal method 128
Color, % trans., 420 nm	min. 97 %	Internal method 6P
Cloud Point	max. 5 °C	Internal method 8W

Technical Information

Sensapol™ ES-1 K

Valid since 31.03.2021
Revision 1.0

PRD 30600428

Page 2 of 3

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Storage information

Shelf life

12 months

Storage temperature

Between + 10 °C and + 40 °C

Storage conditions

In original sealed containers and protected from moisture

Additional information

This product may become difficult to handle at temperatures below 20 °C, and lower temperatures may result in crystallization or phase separation. The product is not damaged by low temperatures and is easily reconstituted by gentle heat (skin temperatures below 54 °C) and thorough mixing.

Stabilising additives / Auxiliaries

Preservatives

Methylisothiazolinone, Methylchloroisothiazolinone

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)

Technical Information

Sensapol™ ES-1 K

Valid since 31.03.2021
Revision 1.0

PRD 30600428

Page 3 of 3

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Composition hints for finished product label

INCI Components

INCI Name (US/EU/CN)	Content
Sodium Laureth Sulfate	20 - 40 %

Auxiliaries

INCI Name (US/EU/CN)	Content
Methylisothiazolinone (and) Methylchloroisothiazolinone	approx. 12 mg/kg

Water Content

Content
60 - 80 %

Miscellaneous information

Example of use

Sensapol™ ES-1 K 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.

Intended for use as cosmetic and home care ingredient

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