

## Technical Information

**Sensapol™ ES-2 K/MB**Valid since 31.03.2021  
Revision 1.0

PRD 30675495

Page 1 of 3

™ = Trademark of Kensing

**Surfactant****INCI name(s)**

Sodium Laureth Sulfate

**Chemical description**

Sodium Laureth-2 Sulfate, approx. 25 % active

**Physical form:**

Water-white to pale-yellow, viscous liquid

**Molecular weight**

approx. 382 g/mol

<b>CASR-No.</b>	<b>Ingredient</b>	<b>Remark</b>
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.)

<b>Test property</b>	<b>Specification</b>
Appearance	Corresponds to the standard
FAES (MW 382)	24.50 - 26.50 %
Unulfated Alcohol	max. 1.50 %
pH value (10 % solution)	7.0 - 8.0
Sodium chloride	max. 1.50 %
Sodium sulfate	max. 1.00 %
1,4-dioxane	max. 10 ppm
Preservative	0.09 - 0.11 %
Formaldehyde	Negative
Color, APHA	max. 30
Color, % trans., 440nm	min. 84.0 %
Color, % trans., 550 nm	min. 99.0 %
Cloud Point	max. 0 °C
Viscosity (25 °C; LVT3, 12 rpm)	4000 - 7000 cps

Specific methods used for batch release see Certificate of Analysis.

## Technical Information

---

### **Sensapol™ ES-2 K/MB**

Valid since 31.03.2021  
Revision 1.0

PRD 30675495

Page 2 of 3

---

™ = Trademark of Kensing

## **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**

Methylchloroisothiazolinone / methylisothiazolinone

### **Antioxidants**

not present

### **Solvents**

not present

### **Others**

EDTA

## **General information**

### **Raw material basis**

Vegetable: (coconut / palm kernel oil)  
Petrochemical: (ethylene oxide)  
Inorganic: (SO<sub>3</sub>, NaOH)

## Technical Information

---

### **Sensapol™ ES-2 K/MB**

Valid since 31.03.2021  
Revision 1.0

PRD 30675495

Page 3 of 3

---

™ = Trademark of Kensing

## Composition hints for finished product label

### **INCI Components**

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

### **Auxiliaries**

<b>INCI Name (US/EU/CN)</b>	<b>Content</b>
MIT/CIT	approx. 0.0015 %
EDTA	approx. 0.04 %

### **Water Content**

<b>Content</b>
60 - 80 %

## Miscellaneous information

### **Example of use**

Sensapol™ ES-2 K/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.

### **Intended for use as cosmetic and home care ingredient**

## Disclaimer

This document, or any answers or information provided herein by Kensing, does not constitute a legally binding obligation of Kensing. While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. It does not relieve our customers from the obligation to perform a full inspection of the products upon delivery or any other obligation. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE.