



## EMERSENSE™ ES 7062

- Description** : Sodium polyoxyethylene fatty alcohol sulfate
- INCI Name** : Sodium Laureth sulfate
- Properties** : EMERSENSE™ ES 7062 is a natural fatty alcohol based anionic surfactant derived from palm/coconut and ethylene oxide. It exhibits outstanding cleaning properties.. EMERSENSE™ ES 7062 has a finer and denser foam texture with high foam stability; it also shows good synergistic effect on detergency when combined with other surfactants.
- Appearance** : Colourless to slightly yellow paste
- Technical Data** : **Quality Control Data**
- |                     |         |
|---------------------|---------|
| Active matter, %    | 69-72   |
| pH, 3% aq. solution | 7.0-9.0 |
| Sodium Sulfate, %   | 3.0 max |
| Unulfated matter, % | 2.8 max |
- Applications** : EMERSENSE™ ES 7062 Used as a primary surfactant for wide range of cosmetic cleansing formulation such as shampoos, shower gels and foam baths. It is also commonly use in liquid dishwashing, technical cleaning agents as well as liquid detergents.
- Analysis Method** :
- |                  |               |
|------------------|---------------|
| Active matter    | EMQCA047:2011 |
| pH               | EMQCA050:2011 |
| Sodium Sulfate   | EMQCI059:2013 |
| Unulfated matter | EMQCI069:2013 |
- Packing** : Paste in drums, IBC, or bulk
- Storage Information** : Product is stable for at least one year in the original sealed container and at a storage temperature of below 40°C. However, product viscosity will increase at temperatures below 20°C, and must be protected from frost.

CAS No: 68891-38-3

HS No: 3402.11.000

EINECS/ELINCS-No: 500-234-8

Rev 03 -14102013

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## Product Information

**Sulfonion® N70**

(Sodium Lauryl Ether Sulfate 2EO)

Revision no. : 03 Effective date: Oct. 12, 2016

<b>Product Name</b>	:	<b>Sulfonion® N70</b>
<b>Chemical Name</b>	:	<b>Sodium Lauryl Ether Sulfate (2EO)</b>
<b>General Characteristic</b>		
<b>Classification</b>	:	<b>Anionic Surfactant</b>
<b>CAS No.</b>	:	<b>68891-38-3</b>
<b>Standard Specification</b>	:	

Item	Unit	Specification	Reference Method
1. Odour	-	Conforms	-
2. Appearance	-	White to Light yellow paste	Visual Inspection
3. Color @ 20 % sol.	Hazen	15 Max	Spectro Colorimeter
4. Active Ingredient	%	69.0 - 72.0	ASTM : D3049-89
5. Sodium Sulfate	%	1.0 Max.	Titrate with BaCl <sub>2</sub>
6. Free Oil	%	2.8 Max.	HPLC
7. pH @ 3% sol.	-	7.0 - 9.0	pH Meter
8. Molecular Weight	g/ mole	376 - 390	Calculate
9. 1,4 Dioxane	ppm	30 Max.	GS MS

**Standard Package:**Plastic Drum      **130 kgs.**Plastic Drum      **200 - 220 kgs.****LION CORPORATION (THAILAND) LIMITED**

Bangkok : 666 Rama 3 Rd. Yanawa  
 Bangpongpan Bangkok 10120  
 Tel:0-22940191 Fax :0-22944365  
<http://www.lion.co.th>

**Sriracha Office** : 602 Moo 11 Sukhapiban 8 Rd.  
 Nongkham Sriracha Chonburi 20280  
 Tel : 0-38763080-99 Fax. : 0-38481035



**Product Information**

**Sulfonion® N70**

(Sodium Lauryl Ether Sulfate 2EO)

Revision no. : 03 Effective date: Oct. 12, 2016

**Main Application :**

**Foaming agent for Shampoo and body wash.**

**Base or foaming agent for detergent.**

**Storage and Transportation :**

**Sulfonion® N70** must be protected from light at below 30 °C in the original unopened container. The product can be stored at least 1 year. If contact to skin or clothes, rinse immediately with plenty of water.

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## Product Information

### EMAL 270TH

Sodium Polyoxyethylene Lauryl Ether Sulfate

**INCI Name** : Sodium Laureth Sulfate

#### *General Characteristics*

Classification : Anionic Surfactant  
CAS No. : 68585-34-2

#### *Specifications*

Appearance : Light Yellow Viscous  
Colour (Hazen), 10%Active : 40 max.  
pH (1% Active) : 7.0 - 8.5  
% Anion active matter : 68.5 - 71.0  
% Unsulfated matter : 3.0 max.  
% Sodium Sulfate : 1.0 max.

#### *Standard Packing*

Plastic Drum 130 Kgs.

#### *Main Application*

Foaming agent for shampoo and body/face wash.

#### *Storage and transportation*

EMAL 270TH must be protected from light at below 35°C.

In the original unopened container the product can be stored at least 6 months.

This product is not contain preservative.



The Chemical Company

## Data Profile

**Texapon® N 70 T**

PRD 30528351

Valid since 19.09.2012  
Revision 3.0

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**Care Chemicals**

## Address

### Producer / Supplier

BASF (Thai) Ltd.  
Amata Nakorn Industrial Estate  
700/348 Bangna-Trad Km. 57  
Muang Chonburi 20000 Thailand  
Tel. No. : (66) 0 3845 6100  
Fax. No. : (66) 0 3845 6118

## General characterisation

### Chemical description

Sodium Laureth Sulfate + 2 EO

### Mol weight

384 g/mol

### Raw material basis

Vegetable:

(coconut / palm kernel oil)

## Labeling information

### INCI name(s)

Sodium Laureth Sulfate

### Composition hints for finished product label

Sodium Laureth Sulfate

69 - 72 %



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## Ingredient information

Ingredient

CASR-No.  
68891-38-3

EINECS/ELINCS/EC/EU NLP-No.  
500-234-8

## Manufacturing procedure

Conversion of the corresponding fatty alcohol with the required quantity of ethylene oxide at increased temperature, followed by ether sulphate formation and neutralisation with sodium hydroxid solution.

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## Product properties

### Appearance

Transparent to yellowish, flowable paste

### Example of use

Owing to its outstanding detergency and cleansing quality Texapon® N 70 T is used for the manufacture of liquid dishwashing and technical cleaning agents as well as liquid light-duty detergents. Because of its good foam characteristic and the easy thickening with salt, the product is also suited as a basic surfactant for cosmetic cleansing preparations such as shampoos, shower gels and foam baths.

Texapon® N 70 T is a highly concentrated sodium lauryl ether sulphate derived from natural fatty alcohols. Due to its high content of washing active substance, Texapon® N 70 T is particularly suited for highly concentrated endproducts, or if raw materials with a lower water content are required.

### Processing

When diluted with water, Texapon® N 70 T shows gel structures which are typical of ether sulphates. After the addition of water, the viscosity first increases rather rapidly, and after a reduction of the active substance to a level below 30 %, it decreases considerably. Liquid, stable solutions are obtained up to 28 % of the active substance. At higher concentrations the product becomes pasty.

Texapon® N 70 T has an extremely low salt content, and when diluted with water to the normal use concentration, it shows a very low viscosity. When sodium chloride and alkanolamides (Comperlan® types) are added, the viscosity can be adjusted accordingly.

In this way, the viscosity of diluted solutions of Texapon® N 70 T with approx. 5 - 28 % washing active substance can be easily increased to the desired value.

If sodium chloride is used as a thickening agent, Texapon® N 70 T can be incorporated into the formulation in the cold state if the following incorporation sequence is adhered to:

The required amount of sodium chloride has to be diluted in the smallest quantity of water that is absolutely necessary for obtaining a solution (preparation of a saturated table salt solution). This salt solution is added to the undiluted Texapon® N 70 T whilst stirring, and stirring is continued until the mixture has become more fluid.

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Subsequently, the remaining water can be added without difficulty.

If incorporation cannot be effected in this way, it is recommended that Texapon® N 70 T be dissolved with hot water of approx. 80 °C whilst stirring, and only then should other components be added.

As a general rule, sodium chloride should not be added in solid form, but in the form of an aqueous solution. Continuous mixing of Texapon® N 70T with water is also possible without any difficulty, if the appropriate apparatus and equipment is available.

**Solubility**

Ethylether Solubility:	slightly soluble
Chloroform Solubility:	slightly soluble
Petrolether Solubility:	practically insoluble
Ethylalcohol Solubility:	very soluble
Paraffinoil Solubility:	practically insoluble
Water Solubility:	very soluble

**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.)

Visual appearance versus standard	corresponds to the standard	
Active matter (MW 384)	69.0 - 72.0 %	ISO 2271
pH value (3 % solution)	7.0 - 9.0	ISO 4316
1,4-Dioxane (as is)	max. 30 ppm	Internal Method 92002101
Unulfated matter	max. 3.5 %	Internal Method 97006402
Sodium sulfate	max. 3.0 %	Internal Method 92001501



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**Care Chemicals****Stabilising additives / Auxiliaries**

(type and concentration)

**Preservatives**

not present

**Antioxidants**

not present

**Solvents**

not present

**Others**

not present

**Storage and transportation****Shelf life**

12 months

**Storage temperature**

&lt; + 30 °C

**Storage conditions**

In original sealed containers and protected from moisture.

**Additional information**

Texapon® N 70 T should be protected against frost. In the temperature range of approx. + 10 °C the flowability decreases. Depending on the temperature, the pH value may decrease during storage. However, the product quality is not negatively influenced at a pH value above 4.0. Due to the high concentration the addition of a preservative is not necessary.



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