DERMOLIFE
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Technical Information

REWOPOL® SB FA 30 B

Universal, mild anionic surfactant for personal care formulations

Intended use

Surfactant

Benefits at a glance

- good skin and mucous membrane compatibility
- good foam stability even in hard water
- good cleansing properties
- easy handling due to low viscosity

INCI (PCPC name)

Disodium Laureth Sulfosuccinate

Chemical and physical properties (not part of specifications)	
Appearance (20 °C)	clear liquid, tends to cloudiness after extended storage
Preservative	Sodium Benzoate

Properties

REWOPOL® SB FA 30 B is an anionic surfactant, very mild to skin and mucous membranes. It exhibits a synergism with other anionic surfactants. It will, for example, improve the skin compatibility of Sodium Laureth Sulfate. The reduction of skin irritation in formulations is noticed.

REWOPOL® SB FA 30 B is stable in hard water. No lime soaps are formed even in water of extreme hardness.

REWOPOL® SB FA 30 B is fully compatible with other anionic, non-ionic and amphoteric surfactants.

REWOPOL® SB FA 30 B is an ester. It tends to hydrolyse in alkaline or acidic media.

Application

REWOPOL® SB FA 30 B is used in:

- Hair shampoos
- Foam baths
- Shower shampoos
- Liquid soaps and washing lotions

Suggested usage concentration

5 – 30% REWOPOL® SB FA 30 B

Processing Hint

REWOPOL® SB FA 30 B tends to cloudiness and crystallization after storage time. This is reversible and has no negative influence on the quality. For processing, the product should be heated up shortly to 30 – 40°C. If the whole package can be used, it is enough to mix the product and solve it in the formulation.

Packaging

880 kg pallet (4 x 220 kg)

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Hazardous goods classification

Information concerning

- classification and labelling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in accidents and fires
- toxicity and ecological effects

is given in our material safety data sheets.

Guideline formulations

Babyshampoo, slight conditioning, without SLES-addition SH 14013B	
REWOPOL® SB FA 30 B	10.0%
REWOPOL® SB CS 50 B (Disodium PEG-5 Laurylcitrate Sulfosuccinate, Sodium Laureth Sulfate)	5.0%
TEGOSOFT® GC (PEG-7 Glyceryl Cocoate)	0.5%
Water	66.9%
REWOTERIC® AM C (Sodium Cocoamphoacetate)	10.0%
Citric Acid	q.s.
REWODERM® LI S 80 (PEG-200 Hydrogenated Glyceryl Palmate; PEG-7 Glyceryl Cocoate)	4.0%
REWOMID® SPA (Isostearamide MIPA)	1.1%
VARISOFT® PATC (Palmitamidopropyltrimonium Chloride)	2.5%
Preservatives	q.s.
Preparation: Mix the ingredients in the given order. Adjust the pH value with Citric Acid to 5.5 – 6.0.	

Mild Babyshampoo, slight conditioning 6.3.5/1000214	
Sodium Laureth Sulfate, 28%	20.0%
REWOPOL® SB FA 30 B	6.0%
TEGOSOFT® LSE 65 K Soft (Sucrose Cocoate)	2.5%
Water	60.4%
TEGO® Betain F 50 (Cocamidopropyl Betaine)	7.0%
VARISOFT® PATC (Palmitamidopropyltrimonium Chloride)	2.5%
ANTIL® 171 (PEG-18 Glyceryl Oleate/Cocoate)	1.1%
NaCl	0.5%
Preservatives	q.s.
Preparation: Mix the ingredients in the given order. Adjust the pH value with Citric Acid to 5.5 – 6.0 and the viscosity with NaCl.	

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After Sun Shower Gel MAC 287/5/1	
Sodium Laureth Sulfate, 28%	27.0%
Perfume	0.5%
REWOPOL® SB FA 30 B	12.0%
Water	43.5%
LACTIL® (Sodium Lactate; Sodium PCA; Glycine; Fructose; Urea; Niacinamide; Inositol; Sodium Benzoate; Lactic Acid)	2.0%
TEGO® Cosmo C 100 (Creatine)	1.0%
TEGOSOFT® PC 41 (Polyglyceryl-4-Caprate)	2.0%
TEGO® Betain F 50 (Cocamidopropyl Betaine)	10.0%
ANTIL® 171 (PEG-18 Glyceryl Oleate/Cocoate)	2.0%
NaCl	q.s.
Preservatives	q.s.
Preparation: Mix the ingredients in the given order.	

Mild Shower Gel UM 262/2/4	
Sodium Laureth Sulfate, 28%	30.0%
REWOPOL® SB FA 30 B	5.0%
Perfume	0.5%
TEGOSOFT® M (Isopropyl Myristate)	0.5%
TEGOSOFT® PC 41 (Polyglyceryl-4-Caprate)	1.0%
Water	ad 100.0%
TEGO® Betain F 50 (Cocamidopropyl Betaine)	12.0%
LACTIL® (Sodium Lactate; Sodium PCA; Glycine; Fructose; Urea; Niacinamide; Inositol; Sodium Benzoate; Lactic Acid)	1.0%
ANTIL® 200 (PEG-200 Hydrogenated Glyceryl Palmate; PEG-7 Glyceryl Cocoate)	1.0.%
NaCl	q.s.
Preservatives	q.s.
Preparation: Mix the ingredients in the given order.	

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Product specification

Material REWOPOL SB FA 30 B
Spec.Code K00 SB FA 30 B

Inspection Characteristics	Method	Limits	Units	Z
Active Matter	GM_0503_05	32.00-35.00	%	X
Appearance 20°C	GM_0170_00	OK		X
Dioxane	GM_0617_01	<=5.0	ppm	X
Solid content	GM_0090_05	39.00-41.00	%	X
Viscosity / 20°C	GM_0101_02	50.0-150.0	mPa·s	X
pH-Value 10 %	GM_0131_01	5.5-6.2		X
Colour to Hazen	GM_0140_01	<=75.0		X

Appearance 20°C	clear to hazy liquid

Report on inspection certificate: X = specific/actual value, C = unspecific value/conformity, T = not reported

Typical Properties :

MW (Active Matter): 559

Solids factor: 1,073

sodium benzoate 0,35 %

Storage of Rewopol SB FA 30 types may lead to cloudiness and crystallisation. A clear solution can be obtained by heating to 40 - 50°C and homogenisation.

This document is computer printed and therefore valid without signature.

All warranty claims in respect of the conformity of our product are subject to our General Terms and Conditions of Sale and Delivery. The data listed above reflects the criteria for our internal quality tests. We do not hereby make any express or implied warranty, whether for specific properties or for fitness for any particular application or purpose. All values are valid for the product when despatched from the works.

The Standard Test Methods can be obtained from specialized publishers. Evonik's test methods are available on request.

Material: REWOPOL SB FA 30 B		Spec-Code: K00 SB FA 30 B	Page 1 from 1
Print date: 06.07.2015	Valid from: 03.11.2003	Version: 2	

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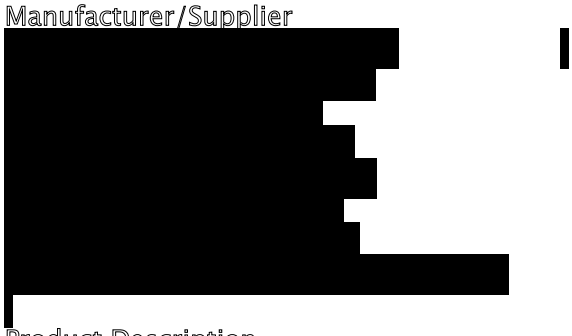
REWOPOL® SB FA 30 B

Product data record

1. General information

1.1 Manufacturer/Supplier



1.2 Product Description

1.2.1 Raw material category anionic surfactant

1.2.2 Ingredients according to INCI

Disodium Laureth Sulfosuccinate

1.2.3 Composition

Components	Source	Ratio
Disodium Laureth Sulfosuccinate	vegetable / synthetic	approx. 40 %
Water		approx. 60 %

This composition information serves for information of our customers only.
It is neither relevant for the composition listing according to Regulation (EC) No 1223/2009, nor does it reflect the chemical composition according to the different chemical regulations in the world which is disclosed in the table "information on ingredients/hazardous components" in the relevant parts of the respective (Material) Safety Data Sheets.

1.2.4 Solvents, preservatives and other additives

	CAS No./ REACH Reg. No.	EINECS / EC No.	content	Function
Water	7732-18-5	231-791-2	approx. 60 %	solvent
Sodium benzoate	532-32-1 01-2119460683-35	208-534-8	3500 ppm	preservative

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No components which are listed in Annex II of the Regulation (EC) No 1223/2009 and its modifications and updates are added to and are not to be expected in the above mentioned product due to the raw materials used and the production process.

2. Information on production process

General description of production process:
Fatty alcohol is transformed with ethylene oxide by alkaline catalysis. Then the ethoxylate is reacted to the corres-ponding half ester with maleic acid anhydride which is then transformed to the sulfosuccinate in watery sulfit solution.

The product is not irradiated.

REWOPOL® SB FA 30 B is produced in the strictest absence of any animal derived material of any type.

Residual plant based source (dominant origin of main constituents): palm kernel oil

GMO-Status:
The item does not contain ingredients that might have been derived from GM sources. However max 0.9 % cross-contamination is possible. Any protein or DNA is not present. Consequently the product will be PCR negative when tested.

2.1 By products

		method
Residual solvents	Water approx. 60 %	
Free amines	not applicable	Chromatography
Nitrosamines	not applicable	
Monochloroacetic acid	not applicable	Chromatography
Dichloroacetic acid	not applicable	Chromatography
1,4-Dioxane	max. 5 ppm	
Unsulfonated matter	approx. 4 %	
Sulfite	< 10 ppm	
Trisodium Sulfosuccinate	approx. 3.5 %	
Pesticides	meets the valid regulatory requirements for limits on agricultural pesticides	
Total heavy metals	max. 20 ppm	AAS-ICP
As, Cd, Co, Cr, Hg, Ni, Pb, Sb	Each < 1 ppm	AAS-ICP
Latex	not to be expected in the product due to the raw materials used and the production process	
VOC	< 3 % according to SR (Swiss Right) 814.018	

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2.2 CMR (Carcinogenic, Mutagenic or Reprotoxic)

The use in cosmetic products of substances classified as CMR substances, of category 1A or 1B or 2 under Part 3 of Annex VI to Regulation (EC) No 1272/2008 shall be prohibited.

Further Information:
http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2009:342:0059:0209:en:PDF

Some of the CMR substances mentioned below and listed in Annex VI to Regulation (EC) No 1272/2008 are used as starting materials or solvents for the production of our cosmetic raw materials and may require reporting under California Proposition 65 or the Safe Cosmetics Act, SB 484.

The presence of these prohibited substances has to be seen as non-intended. It is stemming from impurities of the starting materials or the manufacturing process which is technically unavoidable in good manufacturing practice.

CMR substance	Starting material	max. concentration	method
Ethylene Oxide	yes	1 ppm	
Propylene Oxide	no		
Octamethylcyclotetrasiloxane (D4)	no		
2-Ethylhexanoic Acid	no		
n-Hexane	no		
Methyl Chloride	no		
Dimethyl Sulphate	no		

2.3 "Allergens" according to the Regulation (EC) No 1223/2009

The presence of substances, the mentioning of which is required under the column 'Other' in Annex III, shall be indicated in the list of ingredients in addition to the terms parfum or aroma.

The cosmetic raw materials and the cosmetic actives supplied by Evonik Personal Care are manufactured without the use of perfumes and fragrances. An analytical proof for the absence in traces of the substances to be mentioned in addition to the terms parfum or aroma is not performed in cosmetic raw materials, which are chemically produced.

None of these substances have been intentionally added to our cosmetic raw materials or are formed during the manufacturing process according to our knowledge of the chemistry.

2.4 Food Ingredients listed in Annex II of Regulation (EU) No 1169/2011

None of these substances have been intentionally added to our cosmetic raw materials or are formed during the manufacturing process according to our knowledge of the chemistry.

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3. Microbiological status

Total Viable Count	max. 100 cfu/g
Pathogens*	absent/g

*Pathogens are: Enterobacteria, Pseudomonas, Enterococci, Candida albicans, Staphylococci

4. Shelf life / storage conditions

12 months after production (unopened original packaging)

5. Regulatory Status

5.1 Customs tariff number 34021190

5.2 Regulatory status (chemical regulations)

Europe

Components	REACH status	CAS No.	EINECS / EC No.
Disodium Laureth Sulfosuccinate	Polymer	68815-56-5	Polymer

Other countries

Country		yes / no	Remark
Australia	AICS:	yes	
China	IECSC:	yes	
Canada	DSL: NDSL:	yes	
Taiwan	TCSI:	yes	

In the following countries the relevant authorities currently do not require pre-market approval for cosmetic raw materials:

Brazil, Japan, South Korea, Philippines, USA

5.2.1 Regulatory status (cosmetic regulation)

Country		yes / no	Remark
China	CFDA:	yes	
Japan	JSQI:	yes	JSQI No. 540087, but specifications not controlled

6. Toxicology and Ecotoxicology

Refer to summary of ecotoxicological and toxicological data