

Evonik – our
emulsifiers combine
things normally apart

Product Selection
Guide

Solution made easy!

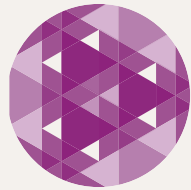


ONLINE TOOLS

Check out our online tools at intoBeauty.evonik.com

Sensory Kaleidoscope 2.2

An interactive tool for creating formulas with targeted sensory properties



Sensory Kaleidoscope 2.2

- Graphically displays the broad set of data in a user friendly way
- Displays sensory positioning of various formulations through the contribution of individual emulsifiers
- Dynamically maps how a formulation will feel on the skin during and after application



Product Selection Tool

Lets you select the right emulsifier for your special requirements



Emulsifier Selection Features

- Sustainability
- Registration in various countries
- Application
- Intended texture
- Sensory properties
- Chemistry
- Processing
- And more

CAREtain® Toolbox

Filter our product portfolio according to the product categories and its most relevant sustainability criteria



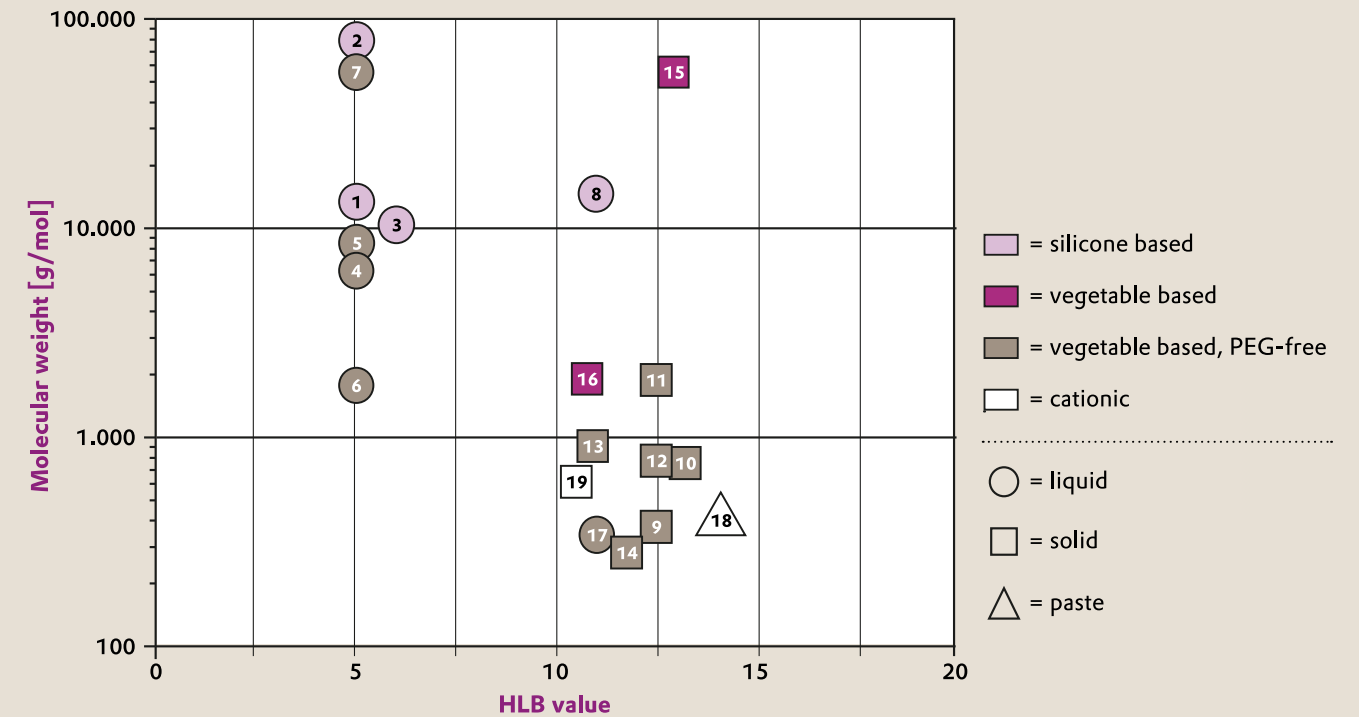
Sustainability Criteria Features

- Constitution
- ISO 16128 Interpretation
- Life cycle
- Natural cosmetics compliance
- Origin / RSPO

GUIDE TO EMULSIFIER SELECTION

Emulsifier landscape

Chart to identify the suitable emulsifier for your desired application.



List of products

W/O emulsifier

- 1 ABIL® EM 90
- 2 ABIL® EM 180
- 3 ABIL® EM 97 S
- 4 ISOLAN® GPS
- 5 ISOLAN® PDI
- 6 ISOLAN® GI 34
- 7 ISOLAN® 17 MB

O/W emulsifier

- 8 ABIL® Care XL 80 MB
- 9 AXOL® C 62 Pellets MB
dermofeel® GSC SG
- 10 TEGO® Care PBS 6 MB
- 11 TEGO® Care APD 18 MB
- 12 TEGO® Care 450 MB
- 13 dermofeel® NC MB
- 14 symbio®muls GC MB
- 15 symbio®prot V MB
- 16 TEGO® Care 165
- 17 TEGO® Care LTP MB

O/W Cationic emulsifier

- 18 VARISOFT® PATC
- 19 VARISOFT® TA 100

PRODUCT SELECTOR – WATER-IN-OIL EMULSIFIER



Liquid



Soft paste



Powder



Pellets



Product	INCI	Applications	Application Form	Type	Form	Activity (%)	Use conc. (%)	HLB	Γ_p	ISO 16128 NOI	CFDA	DSL/ NSN	Certificates *
ABIL® EM 180	Cetyl PEG/PPG-10/1 Dimethicone	<ul style="list-style-type: none"> Body & Face Decorative Cosmetics Sun Care 	Gels Lotions Creams	Silicone		100	0.5-2.5	~5	0	0.00	Yes	Yes	
ABIL® EM 90	Cetyl PEG/PPG-10/1 Dimethicone	<ul style="list-style-type: none"> Body & Face Decorative Cosmetics Sun Care AP/Deo 	Lotions Creams	Silicone		100	1.5-3.0	~5	0	0.00	Yes	Yes	
ABIL® EM 97 S	Bis -PEG/PPG-14/14 Dimethicone; Dimethicone	<ul style="list-style-type: none"> Body & Face Decorative Cosmetics AP/Deo 	Lotions Creams	Silicone		~85	1.0-4.0	~5	0	0.00	Yes	Yes	
ABIL® WE 09 MB	Polyglyceryl-4 Isostearate; Cetyl PEG/PPG-10/1 Dimethicone; Hexyl Laurate	<ul style="list-style-type: none"> Decorative Cosmetics Sun Care 	Lotions Creams	Silicone		~66	4.0-6.0	~5	19	0.60	Yes	Yes	
dermofeel® GO soft	Polyglyceryl-2 Sesquioleate	<ul style="list-style-type: none"> Baby Care Natural Cosmetics Skin Care 	Medium-to-high Viscous Lotions Balms Creams Gels	Polyglycerol		100	0.5-4.0	~4	0	1.00	Yes	Yes	
ISOLAN® 17 MB	Polyglyceryl-4 Diisostearate/Polyhydroxystearate/Sebacate; Caprylic/Capric Triglyceride; Polyglyceryl-3 Oleate; Diisostearyl Polyglyceryl-3 Dimer Dilinoleate	<ul style="list-style-type: none"> Baby & Kid Care Body & Face Sun Care Natural Cosmetics Decorative Cosmetics AP/Deo 	Sprays Lotions Creams	Polyglycerol		~70	1.5-5.0	~5	43	1.00	Yes	No	
ISOLAN® GI 34	Polyglyceryl-4 Isostearate	<ul style="list-style-type: none"> Body & Face Decorative Cosmetics 	Creams	Polyglycerol		100	2.5-4.0	~5	0	1.00	Yes	Yes	
ISOLAN® GPS	Polyglyceryl-4 Diisostearate/Polyhydroxystearate/Sebacate	<ul style="list-style-type: none"> Body & Face Decorative Cosmetics AP/Deo 	Lotions Creams	Polyglycerol		100	2.0-3.0	~5	0	1.00	Yes	Yes	
ISOLAN® PDI	Diisostearyl Polyglyceryl-3 Dimer Dilinoleate	<ul style="list-style-type: none"> Baby & Kid Care Body & Face 	Lotions Creams	Polyglycerol		100	~3.0	~5	0	1.00	Yes	No	

* For most current Kosher and Vegan certifications please check validity date on Evonik website: personal-care.evonik.com



PRODUCT SELECTOR – OIL-IN-WATER EMULSIFIER



Product	INCI	Applications	Application Form	Type	Form	Activity (%)	pH Range	Use conc. (%)	HLB	Γ_p	ISO 16128 NOI	CFDA	DSL/ NSN	Certificates *
ABIL® Care XL 80 MB	Bis-PEG/PPG-20/5 PEG/PPG-20/5 Dimethicone; Methoxy PEG/ PPG-25/4 Dimethicone; Caprylic/ Capric Triglyceride	• Body & Face • Hair Care	Sprays Lotions Creams	Silicone		~82	4.0-8.0	2.0-3.0	~11	17	0.00	Yes	Yes	
AXOL® C 62 Pellets MB	Glyceryl Stearate Citrate	• Body & Face • Sun Care • Men's Care • Cleansing	Sprays Lotions Creams	Glycerin		100	5.5-8.0	1.5-2.0	~12	67	1.00	Yes	Yes	
dermofeel® easymuls plus	Glyceryl Oleate Citrate	• Baby Care • Color Cosmetics • Natural Cosmetics • Skin Care • Sun Care • Wet Wipes	Low Viscous Sprayable	Glycerin		100	5.0-7.0	0.5-4.0	10-15	0	1.00	Yes	In-Commerce	
dermofeel® GSC SG	Glyceryl Stearate Citrate	• Baby Care • Color Cosmetics • Natural Cosmetics • Skin Care • Sun Care	Low Viscous Sprayable	Glycerin		100	5.0-8.0	1.5-2.5	~12	60	1.00	Yes	1 ton/yr.	
dermofeel® NC MB	Polyglyceryl-3 Distearate; Glyceryl Stearate Citrate	• Body & Face • Sun Care • Natural Cosmetics • Decorative Cosmetics	Lotions Creams	Polyglycerol		100	3.5-8.5	1.5-4.0	~11	43	1.00	Yes	In-Commerce/ 1 ton/yr.	
sybio®muls GC MB	Glyceryl Stearate Citrate; Cetearyl Alcohol; Glyceryl Caprylate	• Baby Care • Color Cosmetics • Natural Cosmetics • Skin Care • Sun Care	Low Viscous Lotions Creams Butters	Glyceryl/ Anionic		100	5.0-7.0	3.0-6.0	~11	85	1.00	Yes	Yes	
sybio®prot V MB	Hydrolyzed Vegetable Protein; Sodium Citrate; Magnesium Stearate; Xanthan Gum	• Baby Care • Natural Cosmetics • Skin Care • Sun Care • Wet Wipes	Low Viscous Sprayable	Vegetable Protein		100	4.5-7.0	2.0-4.0	~13	0.1	1.00	Yes	In-Commerce	
TEGIN® Pellets MB	Glyceryl Stearate SE	• Body & Face • Hand & Foot	Lotions Creams	Polyglycerol		100	6.8-8.2	6.0-8.0	~12	79	1.00	Yes	Yes	
TEGINACID® C Pellets	Ceteareth-25	• Body & Face • Hair Care • Hand & Foot • AP/Deo	Creams	Ethoxylate		100	3.0-12.0	0.5-2.0	~16	19	0.00	Yes	Yes	
TEGO® Care 165	Glyceryl Stearate; PEG-100 Stearate	• Body & Face • Hair Care • Hand & Foot • AP/Deo	Lotions Creams	Ethoxylate		100	4.5-9.0	2.0-10.0	~11	43	0.53	Yes	Yes	
TEGO® Care 450 MB	Polyglyceryl-3 Methylglucose Distearate	• Body & Face • Hand & Foot • Sun Care	Lotions Creams	Methylglucoside		100	4.5-8.5	2.0-3.0	~12	70	0.98	Yes	In-Commerce	
TEGO® Care APD 18 MB	Polyglyceryl-6 Stearate; Polyglyceryl-6 Behenate; C18-22 Hydroxyalkyl Hydroxypropyl Guar	• AP/Deo roll-on • Sun Care • Decorative Cosmetics	Roll-ons Lotions	Polyglycerol		100	3.5-8.5	2.5-6.0	~12	30	0.98	No	No	
TEGO® Care LTP MB	Sorbitan Laurate; Polyglyceryl-4 Laurate; Dilauryl Citrate	• Body & Face • Baby & Kid Care • Hair Care	Sprays Lotions Creams	Polyglycerol		~95	5.0-9.0	1.5-2.5	~11	54	1.00	Yes	Yes	
TEGO® Care PBS 6 MB	Polyglyceryl-6 Stearate; Polyglyceryl-6 Behenate	• Body & Face • Sun Care • Natural Cosmetics • Decorative Cosmetics	Sprays Lotions	Polyglycerol		100	4.0-8.5	2.5-4.0	~13	39	1.00	Yes	In-Commerce	
TEGO® Care PS MB	Methyl Glucose Sesquistearate	• Body & Face • Hair & Scalp • AP/Deo	Lotions Creams	Methylglucoside		100	3.5-8.5	2.0-4.0	~12	67	0.95	Yes	Yes	
TEGO® Care PSC 3 MB	Polyglyceryl-3 Dicitrate/Stearate	• Body & Face • Natural Cosmetics • Hair Care	Sprays Lotions Creams	Polyglycerol		100	3.5-8.5	1.5-3.0	~11	43	1.00	No	1 ton/yr.	
VARISOFT® PATC	Palmitamidopropyltrimonium Chloride	• Body & Face • Hair Care	Lotions Creams	Cationic		~60	No Influence	1.0-10.0	~14	35	0.00	Yes	Yes	
VARISOFT® TA 100	Distearyldimonium Chloride	• Baby & Kid Care • Body & Face • Hand & Foot • Sun Care	Lotions Creams	Cationic		>95	No Influence	2.0-10.0	~11	0	0.00	Yes	Yes	

Reference to acronyms can be found on page 8.

* For most current Kosher and Vegan certifications please check validity date on Evonik website: personal-care.evonik.com

REFERENCES

1. Roundtable on Sustainable Palm Oil (RSPO)
2. Hydrophile-lipophile balance (HLB)
3. Palmbased Part (rP)
4. Mass Balance (MB)
5. Segregated (SG)
6. Natural Origin Index (NOI)
6. China Food and Drug Administration (CFDA)
7. Canadian Domestic Substance List (DSL)
8. Canadian New Substance Notification (NSN)



CONTACT US

<https://personal-care.evonik.com>

For more detailed information or to obtain a brochure which addresses a specific area of interest, please contact the Head Office of **EVONIK INDUSTRIES AG** in Essen or contact your local representative.

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