


dermofeel® viscolid



Natural oil thickener for pure oils and W/O creams

It makes more out of 

- purely vegetable raw material
- solidifies liquid oil phase
- creates soft-creamy texture with oils
- no change of sensorial profile
- thickening of WO emulsions



Creates soft-solid oil gels that melt on the skin.

- is a powder
- has a melting point of ~60°C
- is of 100% vegetable origin
- is according to the standards of BDIH & Natrue



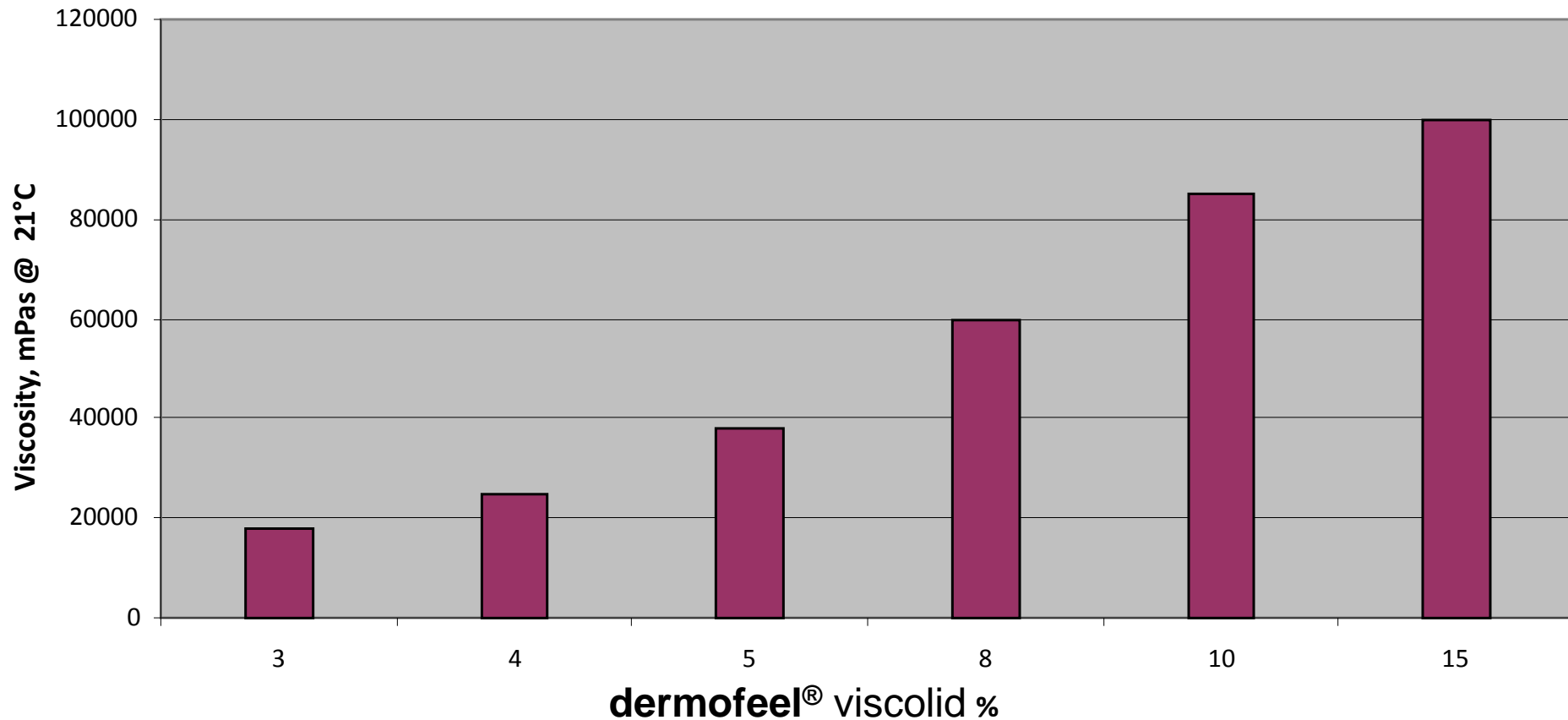
INCI: Hydrogenated Palm oil; Hydrogenated Rapeseed oil

Recommended use concentration:

duo - functionality

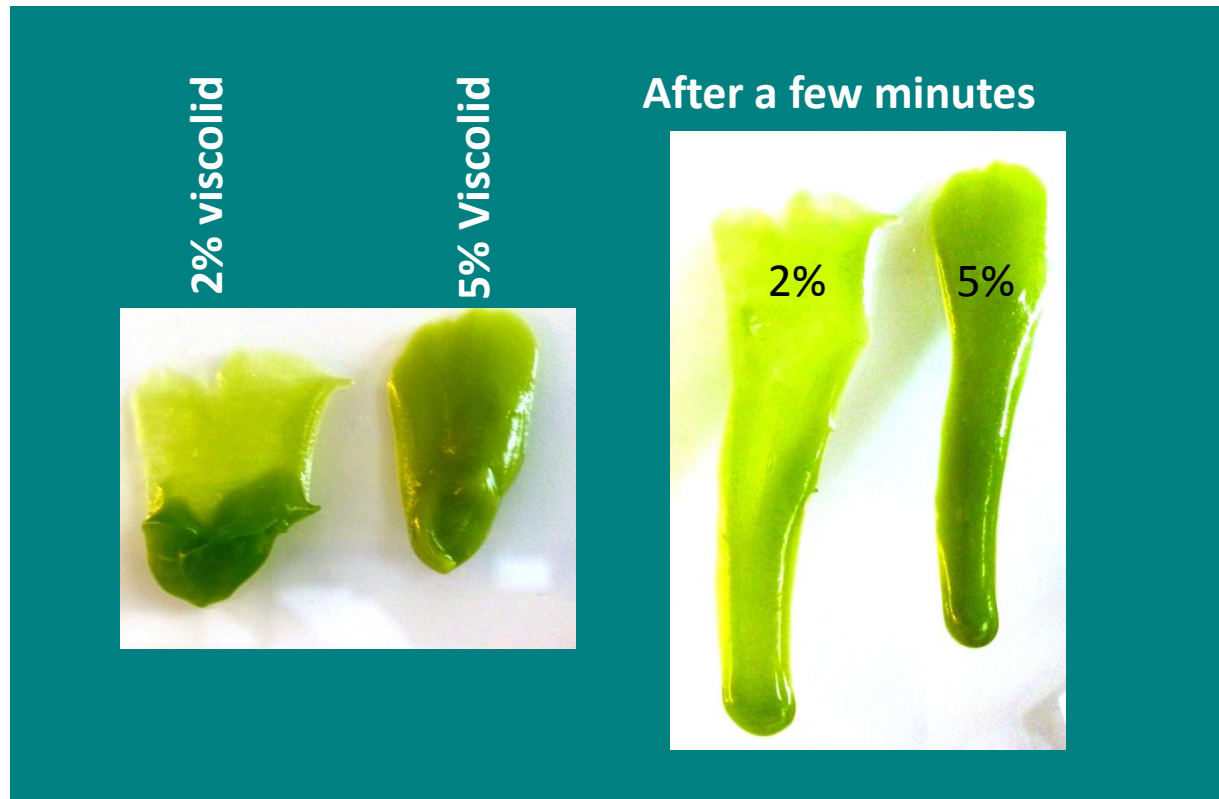
- Oil gels: 3,0 - 10%
- WO emulsions: 0,5-1,0%
- OW emulsions: 2,0-5,0%₃

Viscosity of dermofeel® viscolid with Sunflower Oil



- The viscosity of the final oil gel depends on the amount of **dermofeel® viscolid**

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Phase	Ingredient	INCI	Supplier	%
A	Sunflower Oil	Helianthus Annuus (Sunflower) Seed Oil	Gustav Heess	67.00
	ARS Body System	Passiflora Edulis Seed Oil, Oryza Sativa (Rice) Bran Oil, Euterpe Oleracea Pulp Powder, Orbignea Oleifera Seed Oil	Beraca*	2.00
	Brazil Nut Oil refined	Bertholletia Excelsa Seed Oil, Tocopherol	Beraca*	5.00
	dermofeel® Toco 70 non-GMO	Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	Dr.Straetmans	0.50
	dermofeel® viscolid	Hydrogenated Palm Oil; Hydrogenated Rapeseed Oil	Dr.Straetmans	5.00
B	Energie 2 Natura 413-350	Parfum	Düllberg	0.50
B1	Sea Salt	Maris Sal	diverse	10.00
	Sugar	Sucrose	diverse	10.00
				100.00

Stimulating sugar / salt peeling

- dermofeel® viscolid as viscosity modifier
- High amount of nourishing oils for soft and smooth after feel

Manufacturing Procedure:

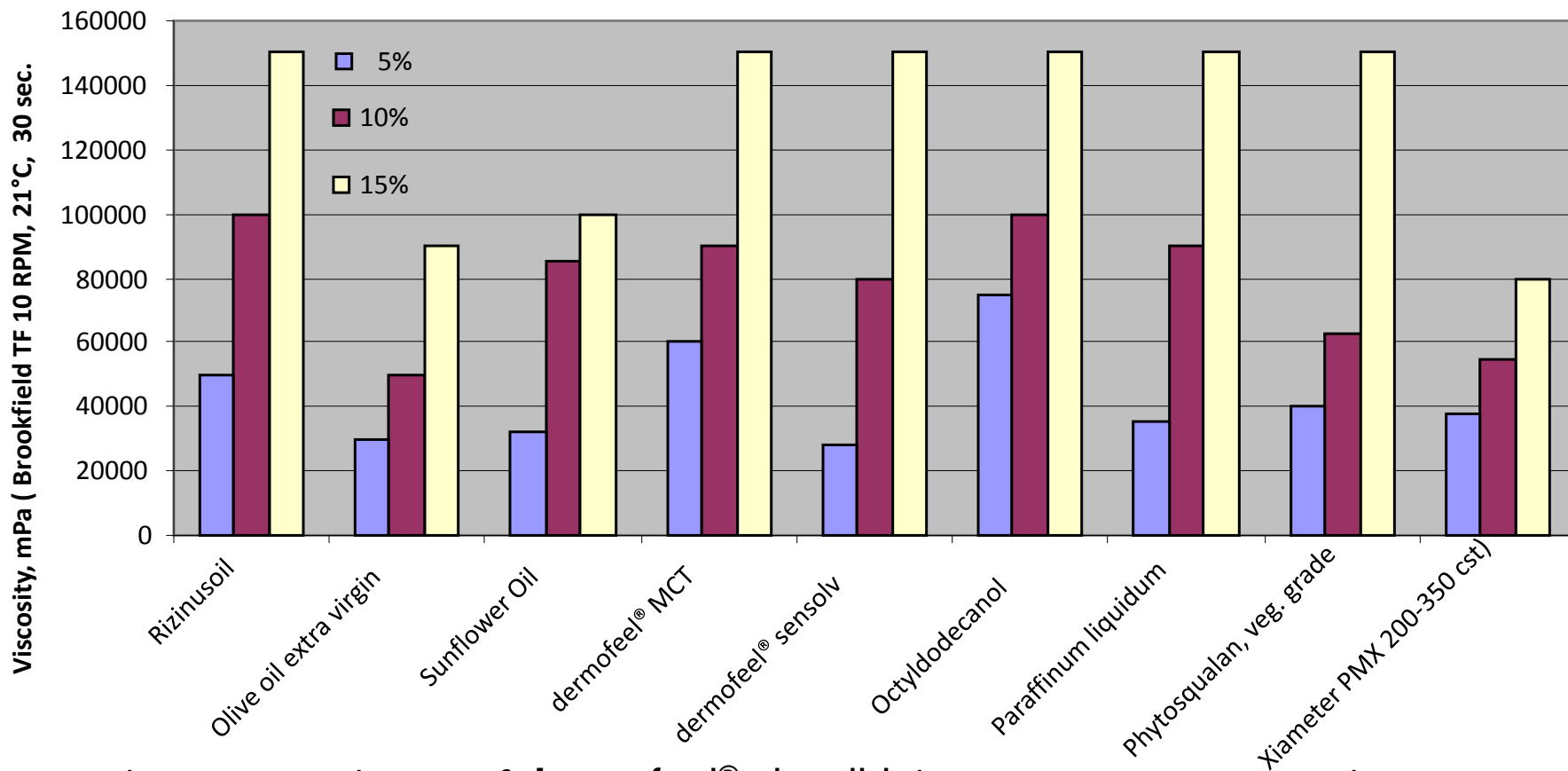
- Mix ingredients of phase A one after the other and heat up to 80°C under medium stirring until a clear solution is obtained.
- Start to cool down under medium stirring and stir until a turbid oil solution is obtained.
- Add B below 35°C. Homogenize for 1 min. using an Ultra Turrax.
- Leave untouched until a homogeneous gel is obtained. Add B1 and fill in containers.

Specification Values:

Appearance: light yellow viscous gel.

Viscosity (Brookfield: Helipath TF; Speed 10): Approx. 35.000-55.000 mPas.

Affinity/gelling effect of dermofeel® viscolid with various oils



- With increasing dosage of **dermofeel®** viscolid the viscosity increases and prevents liquid oil products from dripping or converts them to soft solid products when preferred.
- The aspect of oil gels with **dermofeel®** viscolid is slightly opaque.

Phase	Ingredient	INCI	Supplier	%
A	Sunflower Oil	Helianthus Annuus (Sunflower) Seed Oil	Gustav Heess	88.00
	Buriti Oil refined organic	Mauritia Flexuosa Fruit Oil, Tocopherol	Beraca*	0.50
	Copaiba Distilled organic	Copaifera Officinalis (Balsam Copaiba) Resin	Beraca*	0.50
	Andiroba Oil refined organic	Carapa Guaianensis Seed Oil, Tocopherol	Beraca*	3.00
	Toco 70 non-GMO	Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	Dr.Straetmans	0.50
	dermofeel® viscolid	Hydrogenated Palm Oil; Hydrogenated Rapeseed Oil	Dr.Straetmans	7.00
B	Perf. Rosemaryoil (moroc./tunis. Type) P01224476	Parfum	Frey & Lau	0.50
				100.00

Specification Values:

Appearance: light yellow viscous gel.

Viscosity (Brookfield: Helipath TF; Speed 5): Approx. 100.000 -150.000 mPas.

Light, long lasting formula that nourishes & moisturizes the skin

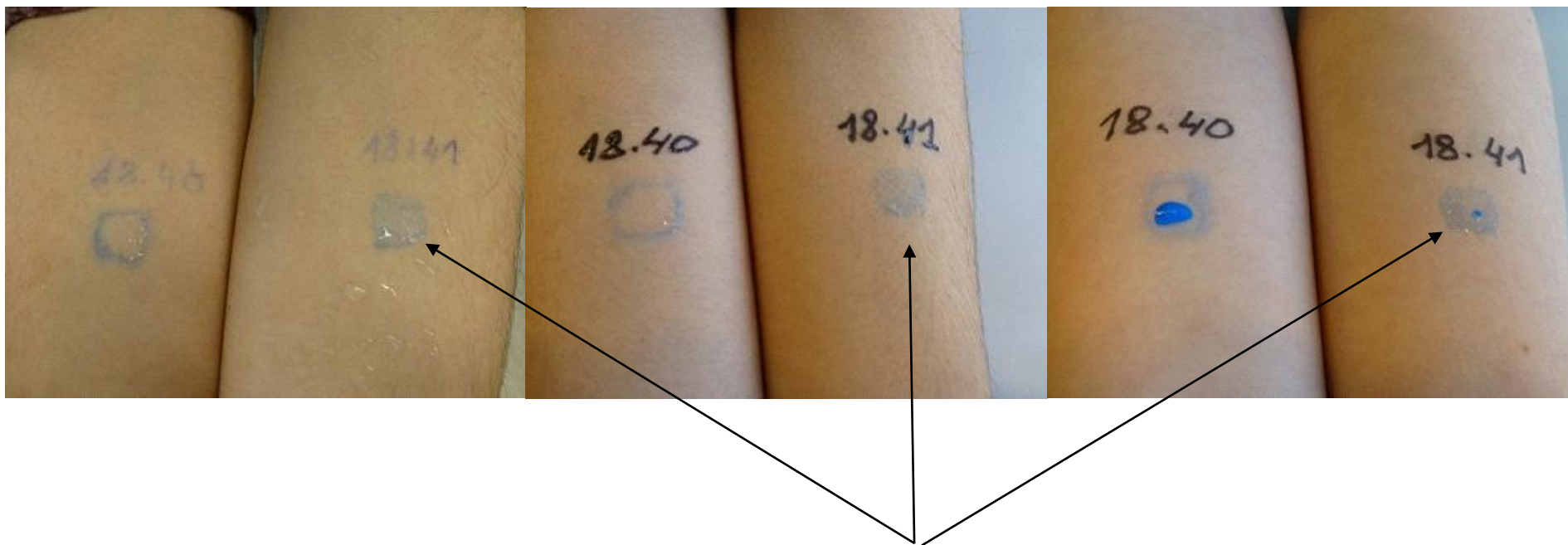
- dermofeel® viscolid as viscosity modifier
- High amount of vegetable oils for soft and smooth after feel

Manufacturing Procedure:

1. Mix ingredients of phase A one after the other and heat up to 80°C under medium stirring until a clear solution is obtained.
2. Start to cool down under medium stirring and stir until a turbid oil solution is obtained.
3. Add B below 35°C. Homogenize for 1 min. using an Ultra Turrax.
4. Leave untouched until a homogeneous gel is obtained and fill in containers.

Water resistance of emulsions with/without dermofeel® viscolid

0,2 gr of emulsion, processing time 20 min. 2.5 min. rinsing (luke warm water).



Emulsions containing **dermofeel® viscolid** are harder to be washed away than without!

	Ingredient	INCI	Supplier	%
A	Deionised Water	Aqua		57.95
	Glycerol (85%)	Glycerin, Aqua	Merck	5.00
	Verstatil PC	Phenoxyethanol, Caprylyl Glycol	Dr.Straetmans	0.50
	Magnesiumsulfate Heptahydrate	Magnesium Sulfate	Merck	1.00
	Eusolex 232	Phenylbenzimidazole Sulfonic Acid	Merck	2.00
	Tris amino Ultra Pur	Tromethamine	Angus Chemie GmbH	1.00
B	dermofeel® GO soft	Polyglyceryl 2-Sesquioleate	Dr.Straetmans	2.50
	dermofeel® PGPR	Polyglyceryl-3 Polyricinoleate	Dr.Straetmans	1.00
	dermofeel® sensolv	Isoamyl Laurate	Dr.Straetmans	9.00
	dermosoft® GMC	Glyceryl Caprate	Dr.Straetmans	0.50
	Kahlwax 6607	Helianthus Annuus (Sunflower) Seed Wax	Kahl GmbH	2.00
	Uvinul A Plus	Diethylamino Hydroxybenzoyl Hexyl Benzoate	BASF	1.00
	Tinosorb S	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	BASF	1.00
	dermofeel® viscolid	Hydrogenated Palm Oil; Hydrogenated Rapeseed Oil	Dr.Straetmans	1.50
	Neo Heliopan OS	Ethylhexyl Salicylate	Symrise	5.00
	Fitoderm	Squalane	BASF	6.00
	Magnesium Stearate	Magnesium Stearate	Appli Chem	0.50
	Hectone VS	Squalane, Distearidimonium Hectorite, Propylene Carbonate	Creations Coulers	3.00
	dermofeel® Toco 70 non-GMO	Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	Dr.Straetmans	0.05

**Medium protection
sun care lotion**

**Calculated SPF 15 UVA/UVB
ratio: 0,59***

- **dermofeel® viscolid** to improve water protection, soft texture, light skin feel

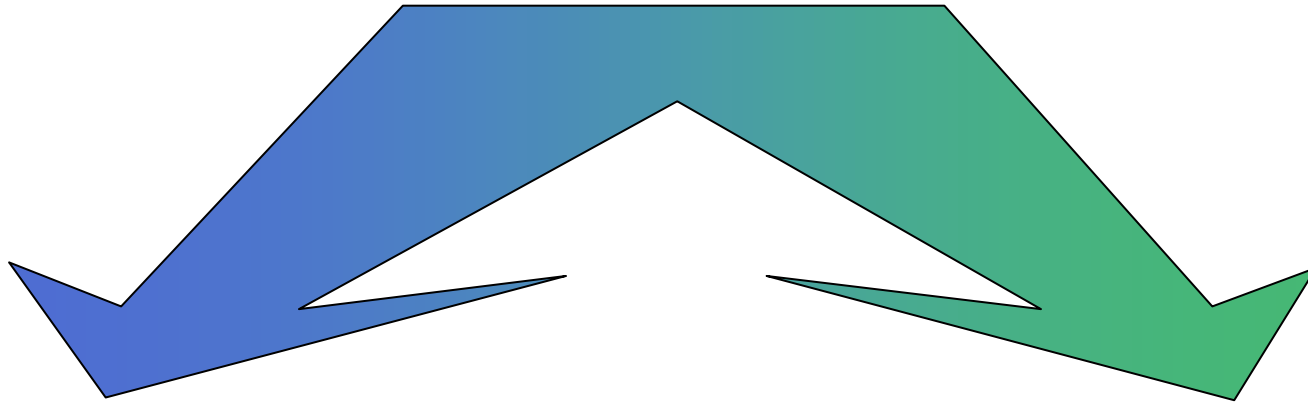
Manufacturing Procedure:

1. Heat phase A and phase B separately up to 78°C.
2. Emulsify phase A into phase B while stirring. Homogenize for 1-2 min. Using Ultra Turrax
3. Cool down to room temp. under medium stirring.

Specification Values:

Appearance: yellow emulsion. pH value: 6.5-6.9; Viscosity (Brookfield: LV 7, Speed 10) Approx. 15.000 – 20.000 mPa·s. 10

duo - functionality



thickens oil

- silicone oils
- many ester oils
- most plant oils

optimizes emulsions

- (W/O and O/W)**
- stabilizing
 - refining emulsions

W/O-emulsions

- are more elegant
- get more of a „butter type“
- get less shiny on the skin

O/W emulsions

- get richer
- obtain more “body”