



Feelz II 401

Dispersant





Function

1. Emollient
2. Co-emulsifier
3. Solubilizer
4. Dispersant
5. Film former

Origins

Alcohol



Acid



Feelz II 401

Isononyl Isononanoate

CAS number: 56554-53-1

Cancer ⓘ



None

High

Developmental & Reproductive Toxicity ⓘ



None

High

Allergies & Immunotoxicity ⓘ



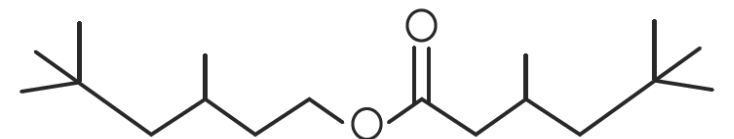
None

High

Source: EWG (The Environmental Working Group)

Feelz II 401

1



Feelz II 401

CosDNA



**Boschia
Revitalizing
Hydration Gel,
Black Charcoal**



**Alchimie
Forever Dry
Skin Balm**



**La Mer The
Reparative
Body Lotion**



**Glossier Body
Hero Daily
Perfecting
Cream**

Dispersant



**Crabtree & Evelyn
Hydrating Body
Cream, Rosewater &
Pink Peppercorn**



**Acqua Di Parma
Spray Body
Lotion, Fico di
Amalfi**



**Atelier Cologne
Moisturizing
Body Lotion,
Orange
Sanguine**



**Philosophy
Amazing Grace
Shimmering
Body Lotion**

Feelz II 401



Features

- High wetting power
- Excellent pigment disperser
- Good compatibility with most oil
- Light emollient with excellent spreadability



Applications

- Suncare
- Skincare
- Colour cosmetics
- Hair care

Feelz II 401

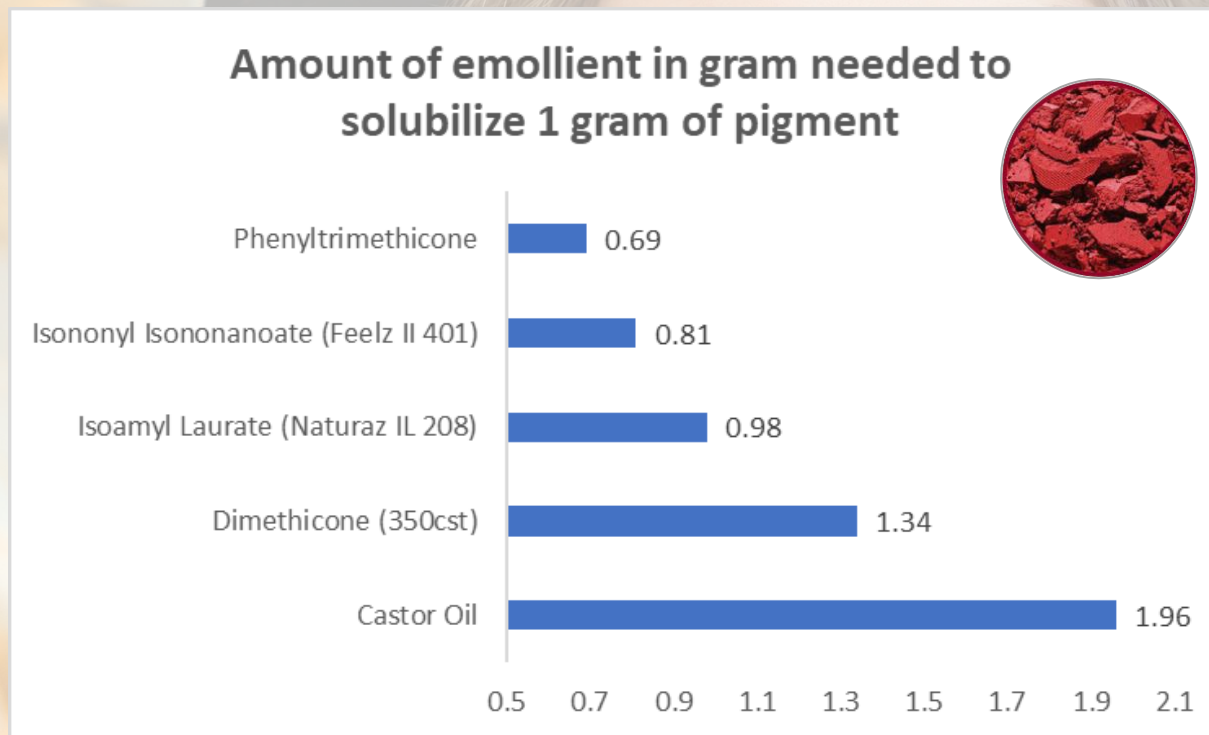
Feelz II 401 (SOLUBILITY PROPERTIES OF SOLVENTS)

Solvent: II 401	25:75	50:50	75:25
Sunflower oil	S	S	S
Propylene glycol	I	I	I
Mineral oil	S	S	S
Isopropyl myristate	S	S	S
Dimethicone	S	S	S
Isoamyl laurate	S	S	S
Ethanol	S	S	S
C8/C10 triglycerides	S	S	S

Solubility properties of different types of oil in Feelz II 401

Feelz II 401

Feelz II 401 (HIGH WETTING POWER)



*The amount of emollient in gram needed to wet 1 gram of pigments.
Pigment used: Iron oxides C177491*

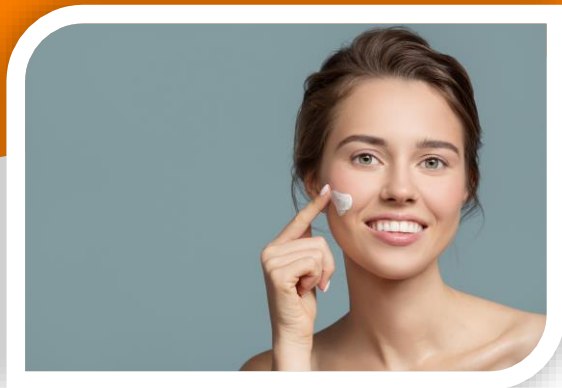
Feelz II 401

Feelz II 401 (SOLUBILITY PROPERTIES OF UV-FILTERS)

% UV filters	25%	50%	75%
Octinoxate	S	S	S
Oxybenzone	S	S	S
Avobenzone	S	S	S

*Solubility of sunscreen actives in Feelz II 401.
S = Soluble and result in a homogenous solutions;
I = Insoluble and result in a non-homogenous solutions.*

Day Cream



Attributes

Light and soft feel. Fast absorption and leaving skin less oil and greasy

Guided Formulation

Phase	Ingredient	INCI	Function	%W/W
A	Water	<i>Aqua</i>	Solvent	To 100
	Feelz GZ 101	<i>Glycerine</i>	Humectant	3
	Xanthan gum	<i>Xanthan gum</i>	Thickener	0.4
	Allantoin	<i>Allantoin</i>	Soothing agent	0.2
B	Feelz MM 201	<i>Myristyl myristate</i>	Bodying agent	6
	Naturaz GO 310	Triethylhexanoin	Emollient	2
	Reflez OW 10	<i>PEG 100 stearate and glyceryl stearate</i>	Emulsifier	5
	Feelz II 401	<i>Isononyl isononanoate</i>	Emollient	3
	Feelz PC 309	Propylene glycol dicaprylate/caprate	Emollient	6
	Ethylhexyl Methoxycinnamate	Ethylhexyl Methoxycinnamate	UV filter	1.5
C	Euxyl 9010	Phenoxyethanol and ethylhexylglycerine	Preservative	0.3
Procedure: Mix xanthan gum with glycerine. Add water and mix to make sure all are well dispersed. Then add allantoin and heat to 80°C. Combined all ingredients in Phase B and heat to 80°C. Add Phase B into Phase A while homogenizing. Cool to room temperature under stirring and add Phase C.				

THANK YOU



Our Mission :

“WE INVENT FOR A SUSTAINABLE FUTURE”

- In CIDOLS, we come together as a team to create solutions that nurture, protect and improve performance as a contribution to a sustainable future



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