



## SABODERM G 20

**INCI Name:** OCTYLDODECANOL

**CAS Number:** 5333-42-6

**Polarity:** Low

**Spreadability:** Medium

**Density 25°C:** 0,835 - 0,845 g/cm<sup>3</sup>

**Refraction index 25°C:** 1,4535-1,4555

### General Information

Saboderm G 20 is a clear oil with excellent solvent properties. It's a good moisturizer for wide use in skin care product. It is an emollient universally used as a multifunctional oil component having good spreading ability.

### Properties

Its emollient and lubricating properties give skin a soft feel. In addition, it helps to form emulsions and prevents the oil and liquid components of a formula from separating. It also acts as an anti-foaming agent, helping reduce the tendency of products to produce foam when they are shaken.

Thickener in moisturizers because of its lubricating and emollient properties.

Saboderm G 20 is a good alternative to silicones. It possesses good penetration ability and high storage stability.

It is stable to hydrolysis and compatible for a wide pH range.

Solvent for perfume ingredients. Ideal solvent to dissolve salicylic acid.

### Applications

- Decoratives (lip balm, eye, make up, foundations)
- Skin lotions & creams (facial and body care)
- Hair care (conditioners)
- Facial cleansers
- Color cosmetics
- Sun care
- Deodorants, antiperspirant (sticks, roll-on, aerosol)

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## Use level

- Decoratives: up to 30%
- Skin care: 0,5 – 5%
- Hair care: up to 25%
- Deodorants: up to 9%

## Regulatory information

See DATA SET document for further information

## Safety and toxicology

SEE MSDS and DATA SET document for further information

## Guideline Formulations

Hair Balm (Cod. HB290216-482G2)				
Technical Application Sheet				

### Ingredients and functions

Name Product	INCI	%	Function	Notes
Phase I		7,8000		
SABOWAX B 25	Beheneth-25	0,8000	O/W Emulsifier	
SABONAL C1618 30/70	Cetearyl Alcohol	4,5000	Consistency Factor	
SABODERM GS	Triisostearin	0,5000	Emollient	
SABODERM G 20	Octyldodecanol	2,0000	Emollient	
Phase II		91,2000		
GLICERINA 99,5	Glycerin	2,0000	Solvent Humectant	
SABOQUAT CTA	Cetrimonium Chloride	3,0000	Conditioning agent	
WATER, DEMIN.	Aqua	86,2000	Solvent	
Phase III		1,0000		
PRESERVATIVE	Preservative	1,0000	Preservative	
<b>Total</b>		<b>100,0000</b>		

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## Hair Oil (Cod. HO101116-3)

### Technical Application Sheet

#### Ingredients and functions

Product Name	INCI	%	Function
Phase I		<b>100,000</b>	
SABODERM G 20	Octyldodecanol	20,000	Emollient
SABODERM ISN	Isononyl isononanoate	29,000	Emollient
SABODERM CV	Coco Caprylate	20,000	Emollient
SABODERM DOE	Dicaprylyl ether	29,000	Emollient
PARFUM	Parfum	1,000	Perfume
TOCOPHEROL	Tocopherol	1,000	Antioxidant
<b>Total</b>		<b>100,000</b>	

## Sun Protection Hairspray (Cod. SPH30-556OC04)

### Technical Application Sheet

#### *Ingredients and functions*

Product Name	INCI	%	Function	Notes
Phase I		<b>100,000</b>		
Saboderm G 20	Octyldodecanol	19,000	Emollient	
Saboderm AB	C12-15 Alkyl Benzoate	45,000	Emollient	
Saboderm GS	Triisostearin	3,000	Emollient	
Saboderm PGDD/PH	Propylene Glycol Dicaprylate/Dicaprate	14,000	Emollient	
Ethylhexyl methoxycinnamate	Ethylhexyl methoxycinnamate	9,000	UV-B Filter	
Diethylamino hydroxybenzoyl hexyl benzoate	Diethylamino hydroxybenzoyl hexyl benzoate	9,000	UV-A Filter	
Vitamin E	Tocopherol	1,000	Antioxidant	
<b>Total</b>		<b>100,000</b>		

Review N°01

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