



## SABODERM DOE

**INCI Name:** DICAPRYLYL ETHER

**CAS Number:** 629-82-3

**Polarity:** Low

**Spreadability:** Fast

**Density 20°C:** 0,800-0,810 g/cm<sup>3</sup>

**Refraction index 20°C:** 1,430-1,432

### General Information

Saboderm DOE is a fast spreading emollient with a dry skin feel for cosmetics. It creates a smooth and soft appearance for the skin and it supports the cleansing efficacy of emulsion based face care cleanser.

### Properties

It provides a dry and non-greasy feel to the skin, which makes it an excellent choice for powder formulations like deodorant.

Its fast spreading capabilities facilitates the spread ability of many slow spreading ingredients.

It gives the skin a light, silky feel and is ideal for innovative green formulations without silicones.

It confers positive cleansing efficacy when incorporated into emulsion based cleansers.

Saboderm DOE is hydrolysis stable and suitable for formulations with a wide pH range.

### Applications

- Skin care – creams & lotions (Facial care and cleansing)
- Oils
- Deodorants/Antiperspirants (it reduces whitening effect)
- Sunscreen
- Make up removal
- Depilatory lotions (high spreading properties)

### Use level

Skin care: 1-8%

Oils: 15-30%

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## Regulatory information

See DATA SET document for further information

## Safety and toxicology

SEE MSDS and DATA SET document for further information

## Sun filter solubility at 25°C

- Bis-Ethylhexyloxyphenol Methoxyphenyl triazine: **2%**
- Ethylhexyl Triazone: **0,7%**

## Guideline formulations

### Shining Hair Oil (Cod. SHO060117S-2)

#### Technical Application Sheet

#### Ingredients and functions

| Product Name | INCI   | %               | Function         | Notes |
|--------------|--|-----------------|------------------|-------|
| Phase I      |  | 100,0000        |                  |       |
| SABOMEL-A    | Pyrus Malus (Apple) Seed Oil,<br>Coco-Caprylate, Caprylic/Capric<br>Triglyceride | 37,2000         | Active Emollient |       |
| SABODERM DOE | Dicaprylyl Ether   | 30,0000         | Emollient        |       |
| SABODERM ISN | Isononyl Isononanoate  | 30,0000         | Emollient        |       |
| -            | Ethylexyl Methoxycinnamate   | 0,8000          | UV-B Filter      |       |
| Parfume      | Parfume  | 1,0000          | Fragrance        |       |
| -            | Tocopherol   | 1,0000          | Antioxidant      |       |
| <b>Total</b> |  | <b>100,0000</b> |                  |       |

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## Nail&Cuticle Protective Oil (Cod. NCP240217S-2)

### Technical Application Sheet

#### Ingredients and functions

| Product Name  | INCI   | %               | Function           | Notes |
|---------------|--|-----------------|--------------------|-------|
| Phase I       |  | 73,0000         |                    |       |
| SABOMEL-A     | Pyrus Malus (Apple) Seed Oil,<br>Coco-Caprylate, Caprylic/Capric<br>Triglyceride | 50,0000         | Emollient          |       |
| Sunflower Oil | Helianthus Annus Seed Oil  | 18,0000         | Emollient          |       |
| -             | Ethylexyl Triazone   | 2,0000          | UV-B Filter        |       |
| -             | Diethylamino hydroxybenzoyl hexyl<br>benzoate                                    | 2,0000          | UV-A Filter        |       |
| -             | Bis-ethylhexyloxyphenol<br>methoxyphenyl triazine                                | 1,0000          | UV-A + UV-B Filter |       |
| Phase II      |  | 27,0000         |                    |       |
| SABODERM DOE  | Dicaprylyl Ether   | 14,5000         | Emollient          |       |
| SABODERM ISN  | Isononyl Isononanoate  | 11,0000         | Emollient          |       |
| Parfume       | Parfume  | 1,0000          | Fragrance          |       |
| Vitamine E    | Tocopherol   | 0,5000          | Antioxidant        |       |
| <b>Total</b>  |  | <b>100,0000</b> |                    |       |

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## Smooth Skin Day Cream (Cod. SSDC090516-529C)

### Technical Application Sheet

#### Ingredients and functions

| Product Name  | INCI  | %               | Function            | Notes |
|---------------|---|-----------------|---------------------|-------|
| Phase I       |   | 7,0000          |                     |       |
| Saboderm DOE  | Dicaprylyl Ether                              | 3,0000          | Emollient           |       |
| Saboderm CV   | Coco-Caprylate                                | 2,0000          | Emollient           |       |
| Saboderm GS   | Triisostearin                                 | 1,0000          | Emollient           |       |
| Preservative  | -   | 1,0000          | Preservative        |       |
| Phase II      |   | 82,0000         |                     |       |
| Water, Demin. | Aqua  | 89,0000         | Solvent             |       |
| Glicerina     | Glycerin                                      | 3,0000          | Humectant           |       |
| Sabogel CR    | Carbomer                                      | 0,3000          | Rheology Modifier   |       |
| Saboflow LT   | Polyacrylamide, C13-14 Isoparaffin, Laureth-7 | 0,7000          | Emulsifying Polymer |       |
| Phase III     |   | q.b.            |                     |       |
| Perfume       | -   | q.b.            | Fragrance           |       |
| <b>Total</b>  |   | <b>100,0000</b> |                     |       |

Review N°02

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