

Address

Producer / Supplier

BASF Personal Care and Nutrition GmbH
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General characterisation

Chemical description

Fatty Acid Diethanolamide

Mol weight

310 g/mol

Raw material basis

Vegetable: (coconut/palm kernel oil)
Petrochemical: (diethanolamine)

Labeling information

INCI name(s)

Cocamide DEA (EU + CTFA)

Composition hints for finished product label

Cocamide DEA > 70 - 100 %
Glycerin > 5 - 10 %

Ingredient information

Ingredient	CASR-No.	EINECS/ELINCS-No.
Cocamide DEA	68603-42-9	271-657-0

Officially listed in / Quality conforms to

Bra Miljöval: approved for use in products eco-labelled "Good Environmental Choice" (in Swedish: Bra Miljöval) by the Swedish Society for Nature Conservation

Manufacturing procedure

Vegetable oil and diethanol amine are transesterified at increased temperature by use of a suitable catalyst

Product properties

Appearance

COMPERLAN® COD is a yellow transparent liquid with a characteristic inherent odour.

Example of use

On account of its viscosity-increasing properties, COMPERLAN® COD, which is easily processed, is used as a thickener in combination with fatty alcohol ether sulfates in surfactant preparations.

Solubility according to Ph. EUR.

Ethylether Solubility:	slightly soluble
Chloroform Solubility:	very soluble
Petrolether Solubility:	very soluble
Ethylalcohol Solubility:	very soluble
Paraffin oil Solubility:	practically insoluble
Water Solubility:	practically insoluble

Characteristic values

The specifications stated in the paragraphs 'Quality control data' and 'Additional product descriptive data' finally and conclusively describe the properties of the product.

Quality control data

(Data which is used for quality release and is certified for each batch.)

Odor evaluation versus standard	corresponds to the standard	
Visual appearance versus standard	corresponds to the standard	
Amine (MW 105 g/mol)	<= 5,0 %	DGF H-VI 4B
Amide	77 - 84 %	DGF H-VI 4
Water	<= 0,5 %	DGF C-III 13A
Free fatty acid (MW 220 g/mol)	<= 0,5 %	DGF H-VI 4A

Additional product descriptive data

(Data which is proven statistically but not determined regularly.)

Ester	4 - 8 %	QC1160.0
Glycerol	<= 10 %	DGF E-III 3A
Solidification point/range	< 5 °C	DGF C-IV 3C
pH value (2 % in Water)	9 - 11	DGF H-III 1

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Stabilising additives / Auxiliaries

(type and concentration)

Preservatives

not present

Antioxidants

not present

Solvents

Refer to Residual solvents statement.

Others

not present

Storage and transportation

Shelf life

12 months

Storage temperature

< + 40 °C

Storage conditions

In original sealed containers and protected from moisture.

Additional information

A paste-like consistency can be formed during storage which is reversible by heating.

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