

Technical Information

Dehyton® PK 45

PRD 30528624

Valid since	11.05.2018
Revision	12.0
WF-No.	16164
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Care Chemicals**Amphoteric Surfactant****INCI name(s)**

Cocamidopropyl Betaine

Chemical description

Fatty acid amide derivative with betaine structure (high active)

Physical form:

Clear, light yellow, pumpable liquid with a characteristic odor

Molecular weight

approx. 355 g/mol

CASR-No.	Ingredient	Remark
61789-40-0	Cocamidopropyl Betaine	Most common description
147170-44-3	Cocamidopropyl Betaine	REACH registration

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.)

Test property	Specification
Appearance at room temperature	Corresponds to the standard
Odor at room temperature	Corresponds to the standard
Water content (Karl Fischer)	54.0 - 56.0 %
Sodium chloride	5.80 - 7.30 %
Solid matter	44.0 - 46.0 %
Color HAZEN/APHA	max. 150
pH value (20 °C; conc.)	4.5 - 5.5

Specific methods used for batch release see Certificate of Analysis.

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Care Chemicals**Additional product descriptive data**

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

Test property	Specification
Amido amine	max. 0.3 %
Monochloro acetic acid	max. 5.00 ppm

Specific methods used for batch release see Certificate of Analysis.

Storage information**Shelf life**

12 months

Storage temperature

Between 0 °C and + 40 °C

Storage conditions

In original sealed containers and protected from moisture

Additional information

On account of its high salt content the product can have a corrosive effect during storage in stainless steel tanks.

Storage at low temperatures can lead to turbidity. The temperature induced turbidity is reversible and has no influence on product quality. Clearness can be recovered by warming.

Stabilising additives / Auxiliaries**Preservatives**

not present

Antioxidants

not present

Solvents

not present

Others

not present

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Care Chemicals**General information****Raw material basis**

Vegetable:	(coconut / palm kernel oil)
Synthetic:	(dimethyl amino propyl amine, monochloroacetic acid)

Composition hints for finished product label**INCI Components**

INCI Name (US/EU/CN)	Content
Cocamidopropyl Betaine	44 - 46 %

Water Content

Content
54 - 56 %

Product properties**Solubility**

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

Miscellaneous information**Example of use**

This amphoteric surfactant is suitable for universal application in cosmetic surfactant preparations. In combination with anionic surfactants, synergistic effects are achieved which lead to a dermatological improvement of the consumer product. The applicational properties are comparable with the conventional Cocamidopropylbetain-types.



We create chemistry

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Care Chemicals

Intended for use as cosmetic and home care ingredient

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