

ALFONAL KD

Produced and delivered by ENASPOL

MAIN FEATURES

Alfonal KD is from coconut oil produced coconut acids diethanoamide (1:1)

Property	Test method	ALFONAL KD
typical values		
Character		nonionic
Appearance, at 20°C		yellow or brown viscous liquid
Density, at 20°C, g/cm ³	ČSN 65 0342	1.01 approx.
Dyn.viscosity, at 20°C, Pa.s		1.15 approx.
Free fatty acids, % w/w		0.8 approx.
tender specifications		
Free DEA, % w/w, max.	PN ENS 041 -00	6,5
pH, 1% solution	PN ENS 041 - 00	9.0-10.5

MAIN APPLICATIONS

ALFONAL KD is used for personal care products and in surfactant washing and cleaning formulations as wetting agent, foam booster and stabilizer, hair/fibre softener and antistatic agent, back-fetting agent, viscosity control agent instead of anorganic salts, perfume fixative and solubilizer, and as cleansing power increasing dispersant and emulsifier.

TREATMENT

ALFONAL KD is stable in acid, neutral and weak alkaline solutions. Product is resistant against water hardness, minimal up to 10°GH (18 µmol Me^{II}O/l).

ALFONAL KD is foaming agent. In some cases, if the higher foamability of product can cause troubles, a defoaming agent may be used.

EXAMPLES OF APPLICATIONS

- ◆ **Shampoos, bath foams, liquid soaps:** An addition of 2-4 % ALFONAL KD improves foaming ability and foam quality & stability, dermatologic effects on skin and, on the other hand, increases cleansing power to non-greasing dirt. The addition to hair shampoos softens hair and prevents rinsing of static charge. By addition of 3-10% ALFONAL KD viscosity of preparation can be controlled, instead of anorganic salts.
- ◆ **Medicinal shampoos and personal care preparations :** An addition of 2-4 % ALFONAL KD stabilizes

HANDLING

The concentrated product can irritate, avoid contact with skin and eyes. Wearing suitable protective clothing, neoprene gloves and goggles is obligatory while handling ALFONAL KD. Smoking,

eating and drinking are not allowed. After work it is necessary to wash hands with warm water and soap. ALFONAL KD is complete biodegradable.

First aid:

- ◆ Eye and skin: rinse out by stream of pure water, look up physician help.
- ◆ Digestive organs: drink up lukewarm water (about 0.5 l) and look up physician help.

STORAGE

The products should be stored in original closed containers in a dry store at temperatures between 5-30°C. ALFONAL KD is organic combustible liquid with flash point 220°C (K).

PACKAGE

Product is usually supplied in 200 l metal drums (1A1) or in 50 l PE cans (1H2).

PRODUCER

ENASPOL, a. s., Velvěty 79, 415 01 Teplice 1, Czech Republic

Phone +420-417-813 111

Fax/Phone +420-417-813 108

URL <http://www.enaspol.cz>

E-mail enaspol@enaspol.cz

Issued: October 1994

This information and data presented in this sheet represent our best knowledge of the products, but are not a guarantee of the performance of their derivatives, since the conditions of use are not under direct control. Furthermore, nothing indicated herein should be considered as a guideline to the use of the products in infringement of any patent right of manufacture or use.