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**APROVADO**

Dep. Qualidade

DANOX® HDL

- Concentrated blend
- Advised for liquid fabric detergents
- Automatic washing machine use

CHEMICAL IDENTIFICATION

Chemical Name : Mixture of anionic and non-ionic surfactants, soap and solvents
CAS Number : 68891-38-3 / 68439-57-6 / 64-17-5 / 61790-64-5

TECHNICAL SPECIFICATIONS

		Kao Method
APPEARANCE (20°C) :	Viscous transparent liquid	KCSA-258
pH (as it is) :	7.5 - 8.5	KCSA-014
VISCOSITY (20°C, cPs) :	< 300	KCSA-227
DRY MATTER (%) :	52 - 55	KCSA-283

TYPICAL PROPERTIES

ODOUR :	Characteristic
FREEZING POINT :	< -5°C
DENSITY (20°C, g/mL) :	1.047
SOLUBILITY :	Easily soluble in cold water
CHARACTER :	Anionic

DANOX® HDL

APPLICATION PROPERTIES

- DANOX® HDL is an optimized mixture of surfactants, especially indicated to obtain, by easy dilution, a liquid detergent for fabric wash in automatic washing machines.
- **Liquid detergent:** to obtain a product with a low foaming activity and good detergent power, it is recommended to dilute DANOX® HDL at 1:1 with deionized water.
- **Operative Method:**
 - Dilute DANOX® HDL in water stirring at room temperature.
 - Preservatives, dyes, perfumes and other additives can be added after dilution.
 - If a final low concentrated product is desired, it is advisable to add the perfume in a high concentrated phase before completing the final dilution with water.
- DANOX® HDL has been developed with the premises of a product with a good price-quality ratio.
- Properties of foam, viscosity, detergency and temperature stability are similar to those of the market products.
- With DANOX® HDL we offer the possibility to obtain economical liquid detergents with high quality.

STORAGE – HANDLING – SHELF LIFE

- DANOX® HDL is chemically stable for a long period of time under appropriate storage conditions (temperature of 25°C and original unopened container)
- In the case of long storage time. It is advisable to homogenize the product before its use, especially if it has been submitted to low temperatures. Small changes in the appearance can be easily recovered by applying a moderate agitation at 25°C. A general advise is to use the complete container every time.
- The shelf life of DANOX® HDL can be considered of 1 year minimum under proper storage conditions. After longer storage time some of its characterising parameters (*odour, appearance, pH, colour,...*) should be checked before using it.

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