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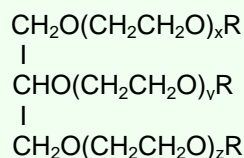
APROVADO

Dep. Qualidade

LEVENOL® C-201

- Non-Ionic liquid surfactant
- Eco-toxicologically friendly
- Vegetable origin
- Extracts and fragrances solubilizer
- Emulsifier and detergent

CHEMICAL IDENTIFICATION



$$x + y + z = 17$$

R = H o R'-CO⁻ (Coconut chain)

INCI Name : Glycereth -17 cocoate

CAS Number : 68201-46-7

TECHNICAL SPECIFICATIONS

		Kao Method
APPEARANCE (20°C) :	Transparent or slightly hazy liquid	KCSA-258
ODOUR :	Weak characteristic	KCSA-267
COLOUR (Gardner) :	2 max	KCSA-222
HYDROXYL VALUE (mg KOH/g) :	50 - 61	KCSA-029
SAPONIFICATION VALUE (mg KOH/g) :	88 - 99	KCSA-023
pH (5% in Water) :	5.0 - 7.0	KCSA-014

LEVENOL® C-201

TYPICAL PROPERTIES

HLB (calculated) :	13.0 approx.
DENSITY (20°C, g/mL, "spot") :	1.040 approx.
VISCOSITY (20°C, cPs) :	300 max.
SOLUBILITY IN WATER :	Soluble
MELTING POINT (°C) :	- 2 °C approx.
CHARACTER :	Non-ionic

APPLICATION PROPERTIES

- LEVENOL® C-201 is a new generation of non-ionic surfactant useful in detergent compositions and household products.
- Compared with other normally used non-ionic surfactants, as synthetic ethoxylated alcohols, LEVENOL® C-201 presents several ecological and toxicological advantages.
- LEVENOL® C-201 is ready biodegradable.
- LEVENOL® C-201 presents null aquatic toxicity.
- Results of oral toxicity and primary skin irritation are better if we compare them with normal non-ionic surfactants.
- Tacking in consideration European Regulations concerning substances and preparations, LEVENOL® C-201 can be classified as an optimum raw material to be applied in detergents. Preparations (detergents) where LEVENOL® C-201 is included as substitute of standard non-ionic surfactants (fatty alcohol ethoxylated) can be classified or described with more advantageous symbols and safety warning and even sometimes preparations don't need any symbol.
- The relative low foaming power of LEVENOL® C-201 allows reduce the content of foam controllers in the final detergent.
- The performance (detergent power) of LEVENOL® C-201 in most formulations can be considered similar or even better than standard non-ionic surfactants.
- Tacking into account irritation values, LEVENOL® C-201 can be considered as a total innocuous surfactant, and therefore it is also advice to be used in cosmetics.
- In toilettries, LEVENOL® C-201 could be also used as emollient additive which decreases the irritation level of anionic surfactants.

LEVENOL[®] C-201

STORAGE – HANDLING – SHELF LIFE

- LEVENOL[®] C-201 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 25-30°C. A general advice is to use the complete container every time.
- The shelf life of LEVENOL[®] C-201 can be considered of 2 years minimum under proper storage conditions. After longer storage time some of its characterising parameters (*odour, appearance, colour ,pH,...*), should be checked before using it.

The information and recommendations in this publication are to the best of our knowledge reliable. However, nothing herein is to be construed as a warranty or representation. Users should make their own tests to determine the applicability of such information or the suitability of any products for their own particular purpose.
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