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APROVADO

Dep. Qualidade

DANOX® MEC EXTRA CONC

- Mixture of surfactants
- Application as a degreaser for mechanics and industrial workers
- Very effective hand degreaser
- Liquid product at room temperature
- Ecological and biodegradable

CHEMICAL IDENTIFICATION

Concentrated mixture of surfactants and solvents specially recommended to obtain a gel to degrease hands of mechanics and industrial workers

TECHNICAL CHARACTERISTICS

		Kao Method
APPEARANCE (20°C) :	Yellowish to brownish liquid	KCSA- 258
ODOUR :	Characteristic	KCSA-267
COLOUR (Gardner) :	4 max.	KCSA-222
pH (5% in water) :	8.0 – 9.0	KCSA-014

TYPICAL PROPERTIES

VISCOSITY (20°C, cPs) :	Liquid (50 max.)
DENSITY (20°C, g/mL, "spot") :	0.831
SOLUBILITY IN WATER :	Dispersible / Not soluble
CHARACTER :	Non-ionic

DANOX® MEC EXTRA CONC

APPLICATION PROPERTIES

- DANOX® MEC EXTRA CONC is a concentrated blend, specially recommended to obtain, by dilution in water, a very effective hand degreaser in pasty form. It is advisable for mechanics and industrial workers hand wash.
- Its composition has been developed and optimized to be used at the below concentrations:

<u>DANOX® MEC EXTRA CONC.</u>	<u>WATER</u>
40 %	60 %
50 %	50 %
60 %	40 %

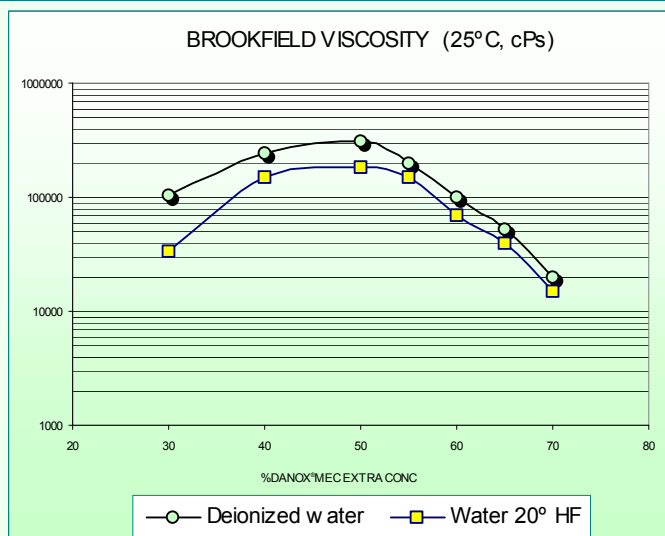
- Depending on the quantity of DANOX® MEC EXTRA CONC used, it is possible to obtain products with different viscosity levels. The quality of the water used, deionized or hard water, can also influence the final viscosity level (see the graph).
- Maximum viscosity gels are obtained with the dilution of DANOX® MEC EXTRA CONC at 50%. Dilution at higher concentration than 50% allows you to obtain more fluid gels.

RECOMMENDED OPERATIVE METHOD

- Add water slowly to the DANOX® MEC EXTRA CONC while stirring. Keep stirring till complete homogenisation.
- Add preservative, perfume and dyes while diluting.

VISCOSITY 25°C (cPs)

% DANOX	Deionized water	Hard water 20°HF	APPEARANCE
30%	104000	34000	Opaque gel – Not stable
40%	248000	150000	Opaque gel (ringing)
50%	312000	180000	Slightly transparent gel (ringing)
55%	196000	152000	Slightly hazy gel
60%	100000	70000	Slightly hazy gel, fluid
65%	52000	40000	Slightly hazy viscous liquid
70%	20000	15000	Slightly hazy viscous liquid



DANOX® MEC EXTRA CONC

STORAGE – HANDLING – SHELF LIFE

- DANOX® MEC EXTRA CONC 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 homogenise 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 recommendation is to use the complete container every time.
- The shelf life of DANOX® MEC EXTRA CONC can be considered to be 1 year minimum under proper storage conditions. After longer storage time some of its characterising parameters (*odour, appearance, colour, pH, ...*), should be checked before using it.

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