



ZOHARSOFT DAS CS

GENERAL

ZOHARSOFT DAS CS is a cationic textile softener based on a fatty acid-amine condensation product. Compared to other cationic softeners, ZOHARSOFT DAS CS can be singled out by its unique property of being readily dispersible in cold water.

SPECIFICATION

Appearance	light yellowish flakes
Active matter	appr. 100%
Melting point	55-67°C
Solubility	readily dispersible in cold or hot water
pH at 25°C, 1% solution.	appr. 4
Character	cationic

USES

The most interesting property of ZOHARSOFT DAS CS is its dispersibility in cold water, although it can also be dispersed in warm or hot water (depending on the equipment and time available). ZOHARSOFT DAS CS is used in the textile industry as a versatile softener for all fibers by both the exhaustion and the padding method. It is used on cottons, rayons, acetates, wool and nylon. The dosing depends on the type of textile and the method used, varying between 0.15-3.0g ZOHARSOFT DAS CS/liter. Best softening is obtained when ZOHARSOFT DAS CS is applied from moderately acid dispersions

PACKAGING AND STORAGE

ZOHARSOFT DAS CS is supplied in polyethylene-lined polypropylene bags of 25 kg net weight. ZOHARSOFT DAS CS should be stored under cover.

DISSOLVING PROCEDURE FOR ZOHARSOFT DAS CS

To prepare a 15% ZOHARSOFT DAS CS emulsion:

	%
Soft water	85
ZOHARSOFT DAS CS	15

MANUFACTURE:

There are two possible dissolving procedures:

A) At room temperature - two steps

Sprinkle the ZOHARSOFT DAS CS flakes into cold water under stirring and continue stirring for 10 minutes. After 10 to 12 hours, stir again for 20 to 30 minutes.

B) At 60°C - one step

Sprinkle the ZOHARSOFT DAS CS flakes into cold water under stirring. Raise the temperature to 60-65°C and stir continuously until a homogenous emulsion is obtained. Add some water to

Replace the evaporated one. Cool down to 30-40°C.



NOTES:

1. The pH of the emulsion should be approximately 4. Adjust if necessary with citric acid.
2. To reduce viscosity, small amount of nonionic (alcohol ethoxylate) can be added.
3. The same procedure is applied to prepare a less or more than 15% concentration emulsion.

To prepare a solution of ZOHARSOFT DAS CS for immediate use on 100 kg goods:

Soft water	50 liters
Acetic acid (100%)	50 ml
ZOHARSOFT DAS CS	0.8-1 kg

Prepare the solution of acetic acid in the water preheated to 40-50° C. Add the ZOHARSOFT DAS CS flakes under stirring. Complete dissolution is achieved in 2-3 minutes.

ZOHARSOFT DAS CS is compatible with most nonionic and cationic auxiliaries, and these can be dissolved in the same bath. The finished solution is then sent to the main bath of 100 kg goods in 1000 liter water.

*** All ZOHAR DALIA products are KOSHER PARVE.** Relevant documentation will be supplied as requested.

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Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorisations.

Users are requested to check that they are in possession of the latest version of the present document and ZOHAR DALIA is at their disposal to supply and additional information.