



Sarex Chemicals

(A Divn. Of Saraf Chemicals Pvt. Ltd.)

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PRODUCT LITERATURE

FLUID-ODS

Product Information

Fluid-ODS is a non yellowing, high viscosity amido siloxane fluid. Fluid-ODS emulsion imparts hydrophilic soft and smooth handle to all types of fabric without affecting whiteness of original fabric. It maintains original hydrophilicity of cellulose and its blends with synthetics. Hydrophilic properties will not change with ageing or extreme drying conditions. Emulsified product is stable to high shear force and broad pH range upto 12.

Key Features & Benefits

Key Features

Non yellowing/No shade changes

Hydrophilic

Benefits

Can be applied to whites or dyed substrate

No change in hydrophilicity on ageing or extreme drying condition

General Characteristics

Physical appearance : Colourless to pale yellow viscous liquid
Specific Gravity at 25deg.C : 0.987 +/- 0.02
Refractive Index : 1.405 to 1.410
Miscibility : Immiscible with water

Application

Padding process

Dosage* : 15-20 g/l
Pick-up : 65-70%
Bath pH : 5.0-6.0
Drying & curing : 130-160 deg.C
30-45 secs.

Exhaust process

Dosage* : 1.5-2%
Bath pH : 5.5-6.0
Bath Temp. : 35-40 deg.C
Time : 20-30 mins.

* Fluid-ODS (30% emulsion)



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Instructions For Dilution

Emulsification:

It can be easily emulsified into stable nano emulsion by medium to high shear force mixer. (turbo stirrer or normal stirrer)

Typical formulation for nano-emulsion:

	Weight Parts

Fluid-ODS	18
Tridecyl alcohol ethoxylate 6.5 EO	9
Tridecyl alcohol ethoxylate 12 EO	3
Acetic acid	0.3
Water-1 (1st addition)	5
Water-2 (2nd addition)	7
water-3 (3rd addition)	56

Method:

- Take Fluid-ODS and surfactants (Tridecyl alcohol ethoxylate 6.5 mole and 12 mole) in a SS vessel and stir for 20-25 mins.
- Add water-1 and acetic acid; mix gradually under constant stirring and stir for 15-20 mins.
- Add water-2 gradually and stir for 10-15 mins.
- Add 54 parts of water-3 and mix for 15 mins. till homogeneous

Precautions

Storage : Store in cool, ventilated shed away from heat and direct sunlight. Storage temperature should not exceed 35 deg C. Close lids firmly to avoid contact with air and moisture.

Shelf Life : 9 months from the date of manufacturing, if stored under controlled conditions.



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[The above information is given in good faith and is without warranty]
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