



Sarex Chemicals

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

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PRODUCT LITERATURE

QSOFT-POA

Product Information

Qsoft-POA is a novel hydrophilic, non-yellowing amido silicone oil. It is suitable after emulsification for cellulosic (woven, knits & towels) all types of fabrics. It has very good moisture absorbing properties thereby gives comforts to wearer. Qsoft-POA emulsified oil has pH and shear stability. Emulsion of Qsoft-POA provides soft and supple handle. Emulsified Qsoft-POA can be applied by padding as well as exhaust.

Key Features & Benefits

Key Features	Benefits
----- Shear Stable	----- Suitable for jet and soft flow machine
Versatile	Can be applied by pad as well as exhaust applications
pH stable	Variation in pH will not affect the performance

General Characteristics

Physical appearance	: Colourless to pale yellow viscous liquid
Specific Gravity at 25deg.C	: 0.98 +/- 0.05
Refractive index	: 1.403 to 1.409

Application

Qsoft-POA can be applied by pad and exhaust

Pad application:

15 - 20 g/l Qsoft-POA (30% emulsion)

Adjust pH at 5-6. pad with 65-70% pick up, dry and cure at 160-180 deg.C for 30-45 sec.

Exhaust application:

Qsoft-POA 1.5-2% pH 5-6, Temp.35-40deg.C, treat for 20-30 min.



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Instructions For Dilution

Procedure to emulsify Qsoft-POA

It can be easily emulsified into stable nano emulsion using turbostirrer or normal stirrer at medium to high speed.

Product	Parts
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Qsoft-POA	18
Tridecyl alcohol ethoxylate 6.5 EO	9
Tridecyl alcohol ethoxylate 12 EO	3
Acetic acid	0.3
Water1 (1st addition)	5.0
Water2 (2nd addition)	7.0
water3 (3rd addition)	58.0

- * First take Qsoft-POA and surfactant (Tridecyl alcohol ethoxylate 6.5 EO and 12 EO) and stir for 20-25 min.
- * Add 5 part of water 1 (1st addition) and acetic acid and mix gradually with stirring and stir for 15-20 min.
- * Add 7 part of water 2 (2nd addition) and stir for 10-15 min.
- * Add 56 part water 3 (3rd addition) and stir for 15 min.

Note:-If emulsion is highly viscous then it is recommended to add 1-2% Butyl diglycol (BDG)

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.

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