



# Sarex Chemicals

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

501 Waterford, C Wing, C.D.Barfiwala Marg(Juhu Lane),  
Ancheri(W),Mumbai 400 058. INDIA

Phone +91 22 42184218 Fax +91 22 42184350

Email :tcmktg@sarex.com URL www.sarex.com

## PRODUCT LITERATURE

### ECOFLUID - 4730

#### Product Information

Ecofluid-4730 is a low viscosity diamino silicone fluid. Ecofluid-4730 can be easily emulsified to stable micro emulsion. Ecofluid-4730 emulsion imparts excellent durable silky softness to all types of fibre. Being a reactive fluid, the emulsion has good affinity to fabrics.

#### Key Features & Benefits

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Non yellowing /  
No shade change

Multi-functional

##### Benefits

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Can be applied on whites and dyed  
substrates

Imparts softness, Improves sewability,  
Reduces abrasion loss

#### General Characteristics

Physical appearance : Colourless viscous fluid  
Specific Gravity at 25 deg.C : 0.98 +/- 0.02  
Refractive index : 1.403 - 1.409

#### Application

##### Padding Process:

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Dosage : 15-20 g/l (30% emulsion)  
Pick-up : 65-70%  
Bath pH : 5.0-6.0  
Drying & Curing : 130-160 deg.C

##### Exhaust Process in winch or garment machine:

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Dosage : 1.5-2% (30% emulsion)  
Bath pH : 5.0-6.0  
Bath Temp. : 30-40 deg.C  
Time : 20-30 mins.



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#### Instructions For Dilution

Emulsification:  
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It can be easily emulsified into stable micro emulsion by medium to high shear force mixer.

Typical formulation for micro-emulsion  
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	Weight parts -----
Ecofluid-4730	17.0
* NP 4.5 mole	6.5
* NP 6.5 mole	6.5
Water-1	15.0
Water-2	20.0
Acetic acid	0.3-0.4
Water-3	35.0
Butyl di-glycol	1-2% (co-surfactant, if necessary)

\* Nonyl phenol

Method:  
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- Take Ecofluid-4730 & surfactants in a SS vessel and stir for 20-25 mins.
- Add water-1 gradually under constant stirring and stir for 30 mins.
- Add water-2 and stir for 20 mins.
- Add water-3 and acetic acid; mix and stir for further 10-15 mins.
- Add 1-2% co-surfactant if necessary.
- Testing.

#### Precautions

Storage : Store in cool, ventilated shed away from heat and direct sunlight. Storage temperature



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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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