



Sarex Chemicals

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

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

Phone: +91 22 42184218

Fax: +91 22 42184350

Email: tcmtkg@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

Key Features

Non yellowing /
No shade change

Multi-functional

Benefits

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:

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:

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:

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

Typical formulation for micro-emulsion

	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:

- 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 : 8 months from the date of manufacturing, if stored under controlled conditions.

[The above information is given in good faith and is without warranty]
[Prod.Code :PE124 | Last Upd. On : 25/06/15] [MOLL]

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