



Sarex Chemicals

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

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PRODUCT LITERATURE

ECOFLUID - 8417

Product Information

Ecofluid-8417 is a low viscosity diamino functional silicone fluid. Ecofluid-8417 imparts exceptional softness on the treated substrates with good surface feel. It imparts durable softeners, crease resistance, elasticity for all types of fibers. Ecofluid-8417 also improves physical properties of fabrics.

Key Features & Benefits

Key Features

Non yellowing/No shade change

Multi-functional

Benefits

Can be applied on whites and dyed substrates

Imparts softness, crease resistance,
elasticity and lubricity

General Characteristics

Physical appearance : Colourless fluid
Specific Gravity at 25 deg.C : 0.98 +/- 0.02
Refractive index : 1.405 - 1.410

Application

Padding Process:

Dosage : 15-20 g/l (30% emulsion)
Pick-up : 65-70%
Bath pH : 5.0-6.0
Drying : 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-8417 | 17.0 |
| * TDA 6 EO | 7.0 |
| * TDA 7 EO | 6.0 |
| Water-1 | 15.0 |
| Water-2 | 20.0 |
| Acetic acid | 0.2-0.3 |
| Water-3 | 35.0 |
| Butyl di-glycol | 1-2% (co-surfactant, if necessary) |

* TDA: tridecyl alcohol ethoxylate

Method:

- Take Ecofluid-8417 & 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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