



# Sarex Chemicals

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

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

Phone +91 22 42184218 Fax +91 22 42184350

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

## PRODUCT LITERATURE

### ECOFLUID-23

#### Product Information

Ecofluid-23 is a high viscosity diamino polydimethyl siloxane fluid. Ecofluid-23 is considered to be an ideal softening agent for cotton, woven/knits and its blends. Ecofluid-23 emulsion imparts soft, drapable and elastic handle on treated substrates. It improves the crease recovery angle, sewability, tear strength, abrasion resistance and wash and wear properties of treated substrates. The effects are reasonably durable to washing and dry cleaning.

#### Key Features & Benefits

Key Features	Benefits
Durable	Reasonably durable to washing and dry cleaning
Multi-functional	Imparts softness and also improves sewability and tear strength and reduces abrasion loss

#### General Characteristics

Physical appearance	: Colourless to pale yellow, clear/hazy viscous liquid
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
Drying & Curing	: 180 deg.C, 30-45 sec

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

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



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Drying : Hydro extract

#### 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
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Ecofluid-23	18.0
* TDA 6 mole	7.0
* TDA 9 mole	5.0
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)

\* TDA: Tridecyl alcohol ethoxylate

Method:

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- Take Ecofluid-23 & 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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