



Sarex Chemicals

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

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PRODUCT LITERATURE

ESTOFEEL (CONC)

Product Information

Estofeel (Conc) is specially developed hydrophilizing agent for polyester, polyamide and other synthetic fibres to overcome the generated static charge. It also improves wicking property of cellulosic fibres. Estofeel (Conc) imparts hydrophilicity, antistatic, soil release and soil resistant properties to hydrophobic fibres. On cellulose and its blends Estofeel (Conc) imparts soil release property against corn oil, coffee, ketchup and chocolate stains.

Key Features & Benefits

Key Features	Benefits
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Antistatic and hydrophilic	Comfort properties for polyester and polyester rich blends
Concentrated	Economical
Dyeing	Compatible with dyeing recipe by exhaust process
Durable	Durable to home laundering
Versatile	Applicable by padding as well as by exhaust method
Cost effective	Price advantage to customer
Soil release and soil resistant	Value added finish

General Characteristics

Physical appearance	: Yellow pellets to irregular lumps
Ionic nature	: Nonionic
pH of 1% solution	: 5 +/- 2
Miscibility	: Miscible with hot water
Compatibility	: Compatible with cationic, anionic and nonionic products
Stability	: Stable to dilute acids and dilute alkalies



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Application

Padding process

Dosage : 5-8 g/l (10%)
Pick-up : 65-70 %
Bath pH : 5.5-6.0
Drying : 120 deg.C, 2 mins.
Curing : 170 deg.C, 1 min. (Polyester)
 : 160 deg.C, 1 min. (Polyamide)

Exhaust process

Dosage : 0.5-0.8% (10%)
Bath pH : 5.5-6.0
Bath Temp. : 130 deg.C
Time : 30-45 mins.

Instructions For Dilution

[I] Procedure to prepare 10% Estofeel (Conc)

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- Take 90 parts of DM water of 60-70deg.C
 - To this, gradually add Estofeel (Conc) with constant stirring using paddle stirrer (50-100 rpm)
 - Continue stirring at 60-70 deg.C for 60-90 mins. to get homogenous product
 - Lower down the temperature to 40 deg.C under constant stirring
 - Filter/Strain the finished product to remove un-dissolved particles/lumps if any.

Note:

- pH of the diluted product should be 6-7
- Temperature of DM water should not go beyond 70 deg.C

[II] Procedure to prepare 17% Estofeel (Conc)

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- Melt 173 parts of Estofeel (Conc)
 - To this, add 825 parts of water under stirring
 - To this, gradually add 7.5 parts of NaOH (33%), 38 Bc under stirring
 - Add preservative and continue stirring for 30-45 min to obtain homogenous solution
 - Filter/Strain to remove un-dissolved particles/lumps if any.
 - pH of 17% Estofeel (Conc) will be 8+/-1

Preservation: It is recommended to add 0.1% Bronopol (2-Bromo,2-nitropropane, 1,3-diol) or Methyl Paraben (methyl



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para hydroxy benzoate) as an antimicrobial agent to avoid fungal/microbial growth.

Estofeel (Conc) is not freeze thaw stable.

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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