



Sarex Chemicals

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

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PRODUCT LITERATURE

SUPERNOL-PE (CONC)

Product Information

Supernol-PE (Conc) is a self-emulsifying polyethylene wax which can be used to prepare ready to use polyethylene emulsion required for textile finishing. Diluted emulsion of Supernol-PE (Conc) can be used for finishing of cotton bottom weight, denim for softening as well as to impart lubricity. Emulsion of Supernol-PE (Conc) is also recommended for finishing of cotton knits, cotton shirting to improve sewability. Addition of emulsion of Supernol-PE (Conc) in resin finishing minimises strength loss. Supernol-PE (Conc) does not affect whiteness or shade.

Key Features & Benefits

Key features	Benefits
Self emulsifiable	Additional emulsifier is not required
Non-yellowing	Suitable for whites and pastel shades
Imparts surface smoothness and improves sewability	Ideal for knits and high value shirting.
100% Product	Economical.

General Characteristics

Physical appearance	: Offwhite to creamish lumps
Ionic nature	: Nonionic
pH of 1% solution	: 10+/-1
Miscibility	: Require high temperature & vigorous stirring for dissolution
Compatibilty	: Compatible with cationic, anionic and nonionic products
Stability	: Stable to dilute acids & dilute alkalies

Application

1-3 g/l Supernol-PE (Conc)



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Can be used by pad application as a self finish or alongwith softeners or in resin finishing.

Instructions For Dilution

Procedure to make 20% of Supernol-PE (Conc).

In reaction vessel, take 20 parts of Supernol-PE (Conc) and heat it to 130-140 deg.C to form free flowing clear liquid. Add this molten material gradually to 80 parts of DM water heated to 95 deg.C with high speed stirring using Turbo stirrer at 2000-3000 rpm over 10 mins. Continue stirring for 60-120 mins for uniform emulsion and maintain 95 deg.C throughout stirring. Cool and filter if required. Creamish to off-white stable emulsion is obtained. Repeated heating and cooling of wax and overheating above 140 deg.C will lead to further oxidation of wax which will change physical appearance of diluted emulsion.

It is recommended to add 0.1% Bronopol (2,Bromo 2 Nitropropane, 1,3 Diol) or Methyl Paraben (Methyl Para Hydroxy Benzoate) as an antimicrobial agent to avoid fungal/microbial formation.

If diluted product shows white translucent layer at the top, then stir before use. It is advisable to utilize the diluted product within 2 months.

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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