



POPLON CHEMIE

Manufacturers of: LEATHER CHEMICALS & TEXTILE AUXILIARIES

An ISO 9001-2015 Certified Company

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ECOFIX

(Eco Friendly Fixing Agent)

TECHNICAL DATA:

Appearance	:	Clear, pale yellow liquid.
Solubility	:	Easily miscible in water in all proportions
pH	:	1.5 – 2.0
Odour	:	Nil
Stability	:	Excellent
Compatibility	:	Good

ADVANTAGES OF USING ECOFIX :

ECOFIX is being offered as a safe alternate to various acids used in diverse industries and is easy to handle.

ECOFIX is a perfect replacement for traditional organic and inorganic acids.

ECOFIX can be used in the dyeing of acid dyes on protein substrates, wherein it gives good effective protonation to result in an excellent fixation of dyes, be it leather or textiles substrates.

ECOFIX can be used in place of FORMIC ACID and/or acetic acid for pH adjustment, with no side effect or visible toxicity, emanating no toxic fumes or any foul odours. It does not give any harshness on leather compared to Formic Acid

ECOFIX usages give a very low COD/BOD load on the effluent systems, which is quite desirable in modern day industry requirements, along with it being biodegradable and APEO free.

ECOFIX ensures higher dye depth without affecting the grain surface.

DOSSAGE AND USAGE OF ECOFIX:

➤ For Cow And Buff Wet Blue Production:

Pickling Stage: 0.4% of Ecofix should be added and the drums run for 20 minutes

Then start and run the process as usual

The advantages of using Ecofix in the wet blue stage is that:

It quickens the pickling process.

It gives uniform chrome tannage, fast penetration and smooth grains

It avoids drawn grains and wrinkles in the wet blue stage

It gives good bleaching and brilliance in the wet blue

Complete exhaustion of the syntans and fat liquors

It deeply penetrates the chrome and float is cleared



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➤ **Re-chroming stage: After washing**

Water : 80%
Ecofix : 0.3%-0.5% run for 20 minutes. pH=3.2 to 3.5
Then start the re-chroming process

➤ **Fat- liquoring stage:**

Water : 70%
Fat liquors : 6% run for 30 minutes
Ecofix : 1% 2X10 minutes + 20 minutes

➤ **Dye fixing stage:**

Water : 80%
Dyes : 2% - 6% run for 45 minutes
(percentage as per your own process)
Fat liquors : 12% - 20% run for 45 minutes

➤ **Fixing:**

Ecofix : 2% - 4% (% as per your own process)
Run for 3X 10 minutes + 20 minutes
Check exhaustion
Rinse with normal water after fixing

APPLICATION :-

ECOFIX is a versatile proton donor and can work as a good pH regulating agent.

ECOFIX is suitable in the drumming of leather and works at ambient temperatures with good effective results all along. Ecofix helps in the fixation of acid dyes very smoothly and saves the operators from the hazards of FORMIC acid usages.

ECOFIX is a perfect acid substitute for pH control in enzymatic treatment in textile processing

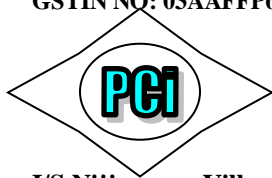
ECOFIX is completely soluble in water and gives low pH spontaneously, like any other acid.

ECOFIX can be mixed with surfactants and is found to be quite stable.

STORAGE & HANDLING: Stable under normal conditions.

Non-toxic. Safe to handle

GSTIN NO: 03AAFFP6073K1Z4



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