

# MORDIENTE CAT



## TECHNICAL DATA SHEET

### DESCRIPTION

MORDIENTE CAT is an auxiliary product designed for the cationization process in the novel dyeing process called "*SMART PIGMENTARY PROCESS*"; for the pigment garment dyeings by exhaustion and able to be carried out in any kind of dyeing machine.

### STANDARDS

- bluesign® approved.
- ZDHC Gateway Level 3.
- According to GREEN TO WEAR 2.0 SUPPORTING DOCUMENTS by INDITEX Group this product does not need chemical testing because it meets the requirements of Option 2 – ZDHC Gateway Chemical Module.

### SCOPE OF APPLICATION

- Dyeing of garments using the "SMART PIGMENTARY PROCESS" together with ASUFIX P.
- Cationization of cotton fibers.

### PROPERTIES

- MORDIENTE CAT is applied to cationize cotton fibers in order to dye them by exhaustion with ASUPRINT pigments.
- Pigments show a remarkable high affinity for the garments treated with MORDIENTE CAT.
- The use of MORDIENTE CAT allows to obtain high depths of shade in the pigment dyeing.
- Fabrics treated with MORDIENTE CAT by means of "SMART PIGMENTARY PROCESS" are not handle affected.
- Excellent fastness values are obtained when MORDIENTE CAT is combined with ASUFIX P, a special fixation agent that does not require the use of high temperatures for its curing, a quick drying in tumbler at 80-100°C is enough.

### CHARACTERISTICS

<b>Appearance</b>	Liquid
<b>Colour</b>	Yellowish
<b>Composition</b>	Aliphatic polyamine derivative
<b>Ionic character</b>	Cationic
<b>pH (10%)</b>	5 ± 1
<b>Freezing point</b>	< 0°C
<b>Solubility</b>	Completely miscible in water

The indications given herein correspond to practical experiences. Owing to the differences in local conditions they cannot claim to be complete, so that any liabilities –also with a view to claims of third parties – are excluded.

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## APPLICATION

The recommended amount of application of MORDIENTE CAT is 3% on the weight of the fibers.

The fabric must be well prepared for the correct performance of MORDIENTE CAT during the cationization process.

### *Guidelines for dyeing with pigment dyes:*

#### 1. PREPARATION:

0.5 g/L PRODER JT-LF A.C. NUEVO or PRODER JT-LF A.C.  
2 g/L Sodium carbonate  
20 minutes at 60°C  
Drain and rinse

#### 2. CATIONIZATION

2gr/l BUFFER 5 5' cold water  
3% MORDIENTE CAT run 5 minuts in cold water and head up to 60 °C  
Mantain 30' and drain

#### 3. DYEING AND FIXING

X % ASUPRINT pigment, run for 5 minutes.  
Heat up to 50°C and maintain 20-30 minutes then add in the same bath:  
2 - 3 % ASUFIX P  
Keep at 50°C for 10 minutes  
Drop and rinse  
Dry in tumbler at 80-100°C



MORDIENTE CAT meets the bluesign® criteria

- Complies with the strict ecological and toxicological requirements of the bluesign® criteria
- Properly applied it allows a production with a minimum impact on people and the environment
- Basis for bluesign® approved textiles and accessories

For more information visit [www.bluesign.com](http://www.bluesign.com)

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