



**ASCENT CHEMICALS**  
Exceeding Our Customer Expectation

# DYEING

## 1.ASCENT DYE FIXING AGENT

### Introduction:

Ascent dye fixing agent to increase wet fastness properties of dyeing

### Chemical Nature:

Formaldehyde containing condensation cationic product.

### Properties:

Appearance	slightly yellowish, clear liquid
Composition	formaldehyde condensation product
Ionicity	Cationic
Solubility	Soluble in water in all proportions.
pH (2% Solution)	3.0 - 3.5
Odor	None
Storage	at least 1 yr when stored under suitable conditions

### ASCENT FIXING is used for increasing the wet fastness of:

#### A. Direct Dyes:

Generally dyeing or prints made with direct dyes have a tendency to blend when in contact with water. This is because the adsorption of the dyestuff on the cellulose is reversible. Hence, as soon as the material comes in contact with water, the desorption of the dye molecule starts. When ASCENT FIXING and the dyestuff molecule (ANIONIC) unite forming a complex which is insoluble or partially soluble in water, the wet fastness of dyeing is improved.



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## B. Reactive Dyes:

During dyeing of cellulose material with reactive dyes, a part of the dye gets hydrolyzed in the dye bath. This hydrolyzed dye may have substantively towards cellulose material which results in inferior wet fastness and hence may blend during washing. Blending of color may also take place when washing off is not through. Application of ASCENT FIXING helps in stopping the blending of dyestuff in both these cases.

In case of Reactive Dyes, is it advisable to thoroughly wash the dyed chemical to bring it to neutral pH. The material is treated in a fresh path of ASCENT FIX for 20 to 30 minutes. Treatment with mild acetic acid in case of Vinyl Sulphone dye prior to ASCENT FIX treatment will help to remove alkalinity.

### Dosage

ASCENT FIXING 1 to 3 grams per liter at room temperature for 10 to 30 min. It is recommended to use the slightly acidic bath. (pH should be 5 to 6. Use acetic acid,)

**PACKING: 50 KGS CARBOYS AND 200 KGS DRUM.**

## 2.Ascent POLY FIX COL - (NON FORMALDEHYDE DYE FIXING AGENT)

### DESCRIPTION:

*New generation Polymeric dye-fixing agent. Excellent fastness property. No shade change. Highly effective formaldehyde free Cationic dye-fixative for direct and reactive dyes.*

Constitution	Polyamine derivative
Appearance	Colorless to faint yellow clear liquid
Nature	Cationic

### ADVANTAGES:

- Improves washing fastness properties of dyeing and prints
- Releases no formaldehyde
- Does not impair light fastness properties of the dyeing/prints
- Improves sea water and perspiration fastness as well
- Does not alter the tone of dyeing

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### 3. ASCENT NF FIX (NON FORMALDEHYDE DYE FIXING AGENT)

#### DESCRIPTION:

**Ascent Dye Fix NF** is water soluble cationic non-formaldehyde fixative with excellent dye-fixing properties and performs well on wide range of direct and reactive dyes. It has very little influence on the shade

#### SPECIAL PROPERTIES

- Formaldehyde free
- Improves the colour fastness for water bleeding, washing, perspiring, crocking and ironing
- Reduces sensitivity of reactive dyes to acid hydrolysis
- Change in colour / shade is minimal
- Compatible with resins, cationic softeners and water repellent auxiliaries
- APEO / NPEO free

#### APPLICATIONS

- Auxiliary – In textile applications
- Used as dye fixative in dyeing

**PACKING: 50 KGS CARBOYS AND 200 KGS DRUM.**

### 4. Chelating Agent - De mineralizing agent

#### DESCRIPTION:

Our classical chelating agents (aminopolycarboxylates) give you outstanding performance in terms of cost-effectiveness and versatility. Our classical chelating agents combine amine and carboxylic acid chemistry in one molecule. This powerful chemical combination yields aminopolycarboxylates (APCs), which form more stable complexes with metal ions compared to other chelating agents. Because of their cost-effectiveness and versatility, they are the most commonly used chelates. Compared to other less effective chelating agents, our chelates are stable over a wider range of temperatures and pH values, have a stronger affinity for metals and are thus significantly more efficient. They also have good water solubility and are inert to most chemicals.

#### PROPERTIES:

- Stable over a wider range of temperatures and pH values
- Stronger affinity for metals
- Good water solubility
- Inert to most chemicals

chelates have been designed and fine-tuned to meet the needs of our customers. Our product range is extensive, including chelating agents and metal chelates, in various salt forms, in different purities and in both liquid and solid forms. What is more, we continuously develop new products to better meet requirements in specific application areas

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