

## POLY DYE MIGLON

POLY DYE MIGLON is a new generation, easily biodegradable and completely Eco-friendly dye-reducing auxiliary for reduction clearing of dyeing of polyester, Cationically dyeable polyester, cashmilon, cellulose acetate and c-v blends in acidic medium.

### Specification:-

<b>Composition</b>	: -	Composition of Sulphur based acid derivatives in water having Reductive action on the chromophoric group of the dyes.
<b>Physical Nature</b>	: -	Clear to translucent heavy liquid.
<b>Specific Gravity</b>	: -	1.35 to 1.37 at 30° C.
<b>Ph [Self]</b>	: -	10.0 to 10.5 at room temperature.
<b>Solubility</b>	: -	Miscible with water in all proportion.
<b>Compatibility</b>	: -	It is compatible with anionic and non – ionic auxiliaries, with Cationic products and dyes. The reduction clearing process must be carried out in fresh water, contact of POLY DYE MIGLON should be avoided with strong oxidising chemicals.
<b>Stability</b>	: -	It is stable in hard water and alkalies, Acids are not to be mixed with it directly.
<b>Self life</b>	: -	It can be stored up to 22 to 24 months in closed container.
<b>Biodegradability</b>	: -	Eco-friendly certified by internationally Accredited Textile Testing Laboratory.
<b>Toxicity</b>	: -	Aquatic Toxicity L.C. 50-0.325% [V/V].
<b>Corrosion</b>	: -	Non Corrosive.
<b>Health Safety</b>	: -	POLY DYE MIGLON is not corrosive or harmful to human body.

### Advantages:-

- It has an excellent reductive effect in mild acidic dye bath i.e. the same bath prior to drain.
- It is very effective in reduction clearing of unfixed, loosely adhered dye particles from the surface of the fiber/fabric. It is reduction clearing the dye bath containing the unexhausted dye particles in the bath to be drained.
- It does not increase the tendency of polyester to release oligomer.
- It does not require any alkali to be added, which is subsequently necessary to be neutralized from the fiber/fabric.
- Reduction clearing with POLY DYE MIGLON saves time, labour energy, water and chemicals as compared to conventional method. The waste to drains or to the effluent treatment plant is much clear.

### **Application**

- 1.0 to 1.5 gpl POLY DYE MIGLON
- 0.5 to 1.0 gpl acid to maintain Ph 5.0

### **For heavy depth shades**

- 1.0 to 2.5 gpl POLY DYE MIGLON
- 0.5 to 1.0 gpl acid to maintain Ph 5.0

### **How to use:-**

- After the completion of dyeing, cool down the bath to 80°C to 85°C add POLY DYE MIGLON 1.0 to 1.5 gpl and then charge 0.5 to 1.0 gpl of acid to maintain Ph 5. Raise the temperature at 85°C to 90°C and hold it for 20 Minutes. Then drain as usual.

### **Note:-**

**The information and recommendations presented herewith are complied with utmost care, but they cannot be extended to cover every possible case. They are intended only to serve as non-binding guidelines and may not be adapted to prevailing conditions.**