

# AVCO-BIOCLEAR GLR

## LIQUID REDUCTIVE CLEARING AGENT

AVCO-BIOCLEAR GLR is an environment friendly and user friendly liquid reducing agent, suitable for reduction clearing of dyeings made with disperse dyes on polyester and polyester blends.

AVCO-BIOCLEAR GLR is composed of fully biodegradable components, with no Potential for bio-accumulation, and with no evolution of toxic compounds during biodegradation. AVCO-BIOCLEAR GLR is non- hazardous at all.

### SPECIFICATION:

<b>Appearance</b>	Clear, almost colorless liquid.
<b>Chemical nature</b>	Glucose derivative in aqueous solution.
<b>Inocity</b>	Nonionic.
<b>Solubility</b>	Soluble in water at any ratio.
<b>pH (1%)</b>	<ul style="list-style-type: none"> <li>a. Compatible with alkali and with nonionic and anionic surfactants</li> <li>b. Is not compatible with oxidizing agents and with chemical sensitive to reducing agents.</li> </ul>
<b>Storage</b>	<p>When stored in cool place (&lt;40°C).</p> <p>Product shelf life is at least 12 months.</p>

### PROPERTIES & USES:

1. Suitable for reductive clearing processes of dyeing made with disperse dyes. The product removes the unfixed dyestuffs from the fibres surface, and improves the washing and rubbing fastness properties of the dyed textile.
2. The product contains a special protective additive which prevents redeposition of loose dyestuffs.
3. AVCO-BIOCLEAR GLR helps to keep cellulose fibres unstained when dyeing blends of polyester with cellulosic fibres.
4. AVCO-BIOCLEAR GLR is a liquid product and can be metered as is to the dyeing machine.
5. AVCO-BIOCLEAR GLR is non-foaming.

## ***Technical - Information***

6. AVCO-BIOCLEAR GLR is non hazardous at all.
7. AVCO-BIOCLEAR GLR is readily biodegradable.
8. AVCO-BIOCLEAR GLR is not suitable as a reducing agent in vat dyeing or for stripping off dyestuff from dyes fibres.

### **APPLICATION:**

AVCO-BIOCLEAR GLR is recommended for use in discontinuous process, or in continuous ranges where the treatment time is long enough.

1. Reduction clearing in jet of dyeing machines:
  - Use the following recipe:
 

AVCO- BIOCLEAR GLR	2 - 4 cc/l
Caustic Soda (50%)	3 - 5 cc/l
AVCO- LEVOLUZE WPE	1 - 2 cc/l
  - Treat at 80°C for 20 minutes followed hot and cold rinse. Acidify with acetic acid.
2. Reduction clearing in continuous range.

Recipe and procedure depends upon the machine type, consult AVCO-CHEM for a suitable recommendation.

Reduction clearing of acetate dyeing.

1. Cool down dyeing liquor to 55 - 60°C.
2. Adjust pH with 1 - 2 g/l AVCOCID AC.
3. Add 1.5 - 2 g/l AVCO-BIOCLEAR GLR.
4. Treat for 15 - 20 min. at 55 - 60°C.
5. Rinse hot and cold.