

## AVCO-CLEAN OGM ECO

### POWERFUL CLEANER FOR DYEING MACHINES

Oligomers, greases, oils, waxes and dyestuffs residues tend to accumulate on dyeing machine walls and on un-accessible inner part of jets.

The contaminated area is absorbing residues of dyestuffs, which is very difficult to be removed by common detergents, and even by alkali / hydrosulphite hot treatment.

AVCO-CLEAN OGM ECO is dispersing the waxes and oligomer deposits, which enables the alkali / reducing agent formulation to destroy and dissolve the precipitated dyestuffs and residues stuck to the machine walls. AVCO-CLEAN OGM contains a special surfactant and catalyst which are de-polymerizing and dispersing oligomers and silicone oils which sticks to the textile dyeing machine walls.

AVCO-CLEAN OGM ECO treatment leaves the dyeing machine clean and ready for further dyeing cycles. This is a friendly environmental product.

#### SPECIFICATION:

<b>Appearance</b>	Clear colorless to yellowish liquid
<b>Chemical nature</b>	Combination of free-APEO surfactants and ammonium quats.
<b>Ionicity</b>	Nonionic / cationic
<b>Solubility</b>	Miscible with water at any ratio
<b>pH (10% sol.)</b>	5 ± 0.5
<b>Compatibility</b>	Can be used with alkali and sodium hydrosulphite up to 10 g/l each.
<b>Storage</b>	Solidifies at 0° C. Fully usable after thawing. Stable for at least 12 months.

#### PROPERTIES & USES:

1. AVCO-CLEAN OGM ECO is decomposing and dispersing all kinds of oligomers and poly-siloxane lubricants.
2. The product removes un-wanted silicones softeners deposits from textile dyeing and finishing machines.
3. AVCO-CLEAN OGM ECO emulsifies residues of waxes and lubricants which are stuck to the dyeing machine walls.
4. AVCO-CLEAN OGM ECO treatment can be applied as a preventative routine for keeping the dyeing machines free from oligomers and silicone polymer deposits.
5. AVCO-CLEAN OGM ECO is excellent in removing stubborn stains on fabrics such as heavy oils, dusts...etc

**APPLICATION:**

AVCO-CLEAN OGM ECO can be used for cleaning beams, package dyeing machine and jet dyeing machines.

**A. Cleaning dyeing machines from oligomers deposits:**

1. The machine is fully flooded with water and heated up to 60-70°C.
2. Add chemicals, use the following recipe:

AVCO-CLEAN OGM ECO	2 - 5 g/l
Caustic soda (100%)	2 - 6 g/l
Hydrosulfite	2 - 4 g/l
3. Raise temperature to 100-130°C and circulate for 30 minutes.
4. Drop bath and rinse with warm water.

**B. Cleaning of mixers and side tanks:**

Prepare a warm (60-70°C) solution of 20-80 g/l of AVCO-CLEAN OGM ECO together with 5-10 g/l Soda Caustic and 3-5 g/l Hydrosulphite. Fill the soiled equipment with the warm cleaning solution, keep standing for one hour, drop solution and rinse with water.

**C. Cleaning of padding machine bowls and printing screens.**

Apply AVCO-CLEAN OGM ECO as is, or diluted with water 1:2, on the area to be cleaned, by smearing or brushing with a rug or a sponge. Let stand for 5-15 minutes and rinse well with water.

**D. Cleaning silicone deposits from jet dyeing machines.**

1. The machine is fully flooded with water
2. Apply the following recipe:

AVCO-CLEAN OGM ECO	-	3 - 5 g/l
Caustic - soda (50%)	-	2 - 4 g/l
3. Treat at 85 - 90°C for 30 minutes neutralize with acetic acid.
4. Drop liquor and rinse with cold water.

**E. Stain removing from fabrics.**

1. Rubbing on the stains on the fabric with the solution as below:

AVCO-CLEAN OGM ECO	5 - 10g/l
AVCO-BLANK JET HC	2 - 5 g/l
NaOH 50%	8 - 12 g/l
2. Then dipping the fabric which has the stains in above solution and treating at 100°C for 60 - 90 minutes