

## Technical - Information

# AVCO-BIOSOL HC

### CONCENTRATED NONIONIC, LOW FOAMING OIL REMOVER

AVCO-BIOSOL HC is a concentrated, nonionic, low foaming surfactant, which imparts the degrading effect, suitable for Jet dyeing machine, high speed rotary washing machine, and high speed continuous range.

AVCO-BIOSOL HC also has oil removing effect, and can be used in a wide range of pH such as in pretreatment, dyeing and finishing.

AVCO-BIOSOL HC is environment friendly and can be regarded as a "GREEN" product.

#### SPECIFICATION:

<b>Appearance</b>	Clear, yellowish liquid.
<b>Chemical nature</b>	Blends of surfactants.
<b>Ionic nature</b>	Nonionic.
<b>pH (10% sol.)</b>	7.0 – 8.0
<b>Solubility</b>	Miscible with water at any ratio.
<b>Compatibility</b>	<ol style="list-style-type: none"> <li>1. Compatible with all chemicals normally encountered in pretreatment and dyeing process.</li> <li>2. Compatible with hard water, mild acids and mild alkalis.</li> </ol>
<b>Storage</b>	Frozen at 0°C. Fully usable after thawing and agitating. Shelf life is at least 12 months.

#### PROPERTIES AND USES:

1. AVCO-BIOSOL HC can be applied for all textile materials such as cotton, rayon, synthetic and lycra.
2. Efficient detergent for high speed machines or those with tendency to foam, e.g. jet machines, overflow machines, rotary washing machines and high speed continuous ranges.
3. AVCO-BIOSOL HC is used in the desizing process with enzyme for oil removing, but without interfere the effect of enzymes. It enhances the penetration of desizing solution into the fiber and helps to take out the degraded starch more easily.
4. AVCO-BIOSOL HC emulsifies wax in raw cotton, disperses dirty pigments and degrades impurities. Avoid color bleeding during scouring process.
5. Due to the excellent emulsifying and dispersing properties, AVCO-BIOSOL HC is used for pretreatment, scouring and fatty, oil and grease removal.

## **Technical - Information**

6. AVCO-BIOSOL HC can be used in neutral medium, or in mild alkali or mild acid solutions.

### *TYPICAL RECIPES:*

#### **1. For cotton and the blends:**

AVCO-BIOSOL HC	0.5 – 2.0 g/l
AVCO-BLANK JET HC	0.5 – 1.0 g/l
Caustic Soda (NaOH 50%)	1.0 – 2.0 g/l

Treat at 80 - 90°C, for 15 - 30 min.

#### **2. For polyester and other synthetic fabrics:**

It is very convenient in washing polyester by combining AVCO-BIOSOL HC and dispersing/sequestering agents.

AVCO-BIOSOL HC	0.5 – 4.0 g/l
AVCO-POLYQUEST FCM	1.0 – 2.0 g/l

Treat at 70 - 80°C, for 15 - 30 min.