

Technical - Information

AVCO-BIOLUZE CHB

LOW FOAMING SCOURING AND WETTING AGENT FOR CONTINUOUS PRETREATMENT

AVCO-BIOLUZE CHB is a wetting and scouring agent suitable for kier boiling, continuous hot bleaching and cold pad batch bleaching of cotton and Viscose fabrics. The use of AVCO-BIOLUZE CHB ensures removal of impurities with excellent absorbency and whiteness of the treated fabrics.

AVCO-BIOLUZE CHB is stable to high alkaline solutions.

AVCO-BIOLUZE CHB is composed of biodegradable ingredients with no potential for bioaccumulation, and with no evolution of toxic compounds during biodegradation. AVCO-BIOLUZE CHB is environmentally acceptable, and can regard as a "GREEN" product.

SPECIFICATIONS:

Appearance	Slightly yellowish turbid liquid.
Chemical nature	Synergistic combination of nonionic and anionic surfactants.
pH (10% sol.)	6 – 8
Density (g/cc)	1.0
Solubility	Miscible with water at any ratio.
Compatibility	Can be used with all chemicals encountered in preparation processes.
Stability	Very good to water hardness, alkalis, acids, and electrolytes under the usual conditions applied in preparation practice.
Storage stability	Product freezes below 0°C, fully usable after thawing and mixing. Shelf life is at least 12 months.

PROPERTIES & USES:

1. Excellent absorbency and whiteness of treated fabrics.
2. Very fast wetting effect to provide even and maximum pick up of the preparation liquors by the treated fabrics.
3. Excellent removal of sizes such as starch, PVA and CMC in cold pad batch bleaching processes.

The information given in this bulletin is, to the best of our knowledge accurate. It is intended to be helpful is not to be considered a guarantee.

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4. Very good soil suspending power.
5. Liquid product suitable for direct metering.
6. AVCO-BIOLUZE CHB is stable to alkali, up to 60 g/l caustic (100%).
7. AVCO-BIOLUZE CHB is low foaming.

APPLICATION:

1. AVCO-BIOLUZE CHB is dosed as it is or pre-diluted with cold water at any ratio.
2. Add AVCO-BIOLUZE CHB to the padding bath followed by all other ingredients of the kier boiling or the bleaching recipe.

RECOMMENDED RECIPES:

1. Steam boiling off desized cotton fabrics:

AVCO-BIOLUZE CHB	2 – 6	g/l
AVCO-POLYQUEST FCE	3 - 5	g/l
Caustic soda(50%)	80 – 120	cc/l

Pad-steam at 102°C for 2-20 minutes. Wash-off at 95°C.

2. Cold oxidative desizing and bleaching of raw cotton fabric:

AVCO-BIOLUZE CHB	2 - 6	g/l
AVCO-STABILIZER HSF	4 - 8	g/l
AVCO-CATALYST 2308	10 - 15	g/l
Caustic soda (50%)	30 - 100	cc/l
Hydrogen peroxide (50%)	30 - 50	cc/l

Pad, wrap with a plastic cover and roll in a rotating station.

Pick up: 80 - 100 % ,temperature:20 - 30°C

Dwelling time: 16-24 hours.

Washing-off is carried out in a continuous washer (minimum 5 boxes)

Box 1 - 4	hot water	95°C
Box 5	warm water	50°C
Box 6	cold water	

For neutralizing and to improve removal of impurities, add to the second box 1 - 5 g/l of AVCO-TRYL ADC.

Technical - Information**3. Continuous hot bleaching of desized fabrics :**

AVCO-TEX CAN	0.5 - 1 g/l
AVCO-BIOLUZE CHB	2 - 6 g/l
AVCO-STABILIZER HSF	4 - 9 g/l
Caustic soda (50%)	12 - 25 cc/l
Hydrogen peroxide (50%)	20 - 40 cc/l

Pad and steam for 15-20 minutes with saturated steam at 102-104°C. Washing-off is done in the continuous washer (5-6 boxes).6t