

Technical - Information

AVCO-BIOLUZE KBLF NEW

LOW FOAMING DETERGENT AND WETTING AGENT FOR PREPARATION PROCESSES

AVCO-BIOLUZE KBLF NEW 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 KBLF NEW ensures removal of impurities with excellent absorbency and whiteness of the treated fabrics.

AVCO-BIOLUZE KBLF NEW is stable to high alkaline solutions.

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

SPECIFICATIONS:

Appearance	Clear liquid.
Chemical nature	Synergistic combination of nonionic and amphoteric surfactants and de-foaming additives.
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.

Technical - Information

4. Very good soil suspending power.
5. Liquid product suitable for direct metering.
6. AVCO-BIOLUZE KBLF NEW is stable to alkali, up to 100 g/l caustic (100%).
7. AVCO-IBIOLUZE KBLF NEW is formulated with de-foaming additives.

APPLICATION:

1. AVCO-BIOLUZE KBLF NEW is dosed as it is or pre-diluted with cold water at any ratio.
2. Add AVCO-BIOLUZE KBLF NEW 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 KBLF NEW	1 - 3	g/l
AVCO-POLYQUEST FCE	3 - 5	g/l
Caustic soda (50%)	40 - 80	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-TEX CAN	0.5 - 1	g/l
AVCO-BIOLUZE KBLF NEW	2 - 4	g/l
AVCO-STABILIZER HSF	4 - 9	g/l
AVCO-CATALYST 2308	10 - 15	g/l
Caustic soda (50%)	40 - 80	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.

3. Continuous hot bleaching of desized fabrics :

AVCO-TEX CAN	0.5 - 1	g/l
AVCO-BIOLUZE KBLF NEW	1 - 3	g/l
AVCO-STABILIZER HSF	4 - 8	g/l
Caustic soda (50%)	12 - 25	cc/l
Hydrogen peroxide (50%)	20 - 40	cc/l

Technical - Information

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).

For improved soil extraction and for neutralizing the fabrics add 1 - 3 g/l of AVCO-TRYL ADC to box no.2.