Egyptian British Co.
Specialty Chemicals & auxiliaries

Technical Datasheet

Textile Chemicals

EBCA LIB DCR

Edition 3-2021

EBCA LIB DCR IS A MACHINE CLEANER AND ONE PACK REDUCTION CLEARING AGENT.

Typical SPECIFICATIONS

Appearance at 25°C	Yellowish liquid
Compostion	POLY ACRYLATE
Ionic nature	ANIONIC
Density	1.09 kg/l
Solubility	Easily soluble in water
Active matter	40.0 ± 1.0%
Compatibility	Compatible with both anionic and nonionic additives

Application

1. REDUCTION CLEAR

 EBCALIB DCR is one-pack product for the reduction clearing of polyester fibers dyed with disperses dyes. It is equally applicable to blends of polyester and cellulosic. The conventional three-product system in which caustic soda, hydrous and surfactant are used is replaced with a single product, which is very convenient to use. Unlike many other products it is readily soluble in water at room temperature.

 Reduction clearing will enhance the fastness properties of the dyed textile by reducing and removing all traces of dyestuff not attached firmly to the fabric.

 EBCALIB DCR contains a highly efficient dispersing agent designed to prevent redeposition of unwanted material onto either the goods or the dyeing equipment.

 The precise quantity of EBCALIB DCR required for adequate reduction clearing will depend on the equipment in use and on the dye shade.

 As a general guide 2.0 - 3.0 g/l would normally be sufficient for short (10:1) to medium (15:1) liquorratio processing.

 The goods should be rinsed at 80 - 900C then treated with EBCALIB DCR at 700o C for 10 - 15 minutes followed by thorough rinsing. Acetic acid may be used to acidify the goods as part of thefinal rinse, although we have found that this is unnecessary in many cases. In certain circumstancesit may be beneficial to give a second treatment in order to achieve maximum fastness properties on very heavy shades.

 An alternative to the above method is to add EBCALIB DCR directly into the exhausted dye bath and treat at 700C for 10 -15 minutes, followed by thorough rinsing.

2. MACHINE CLEANING

 EBCALIB DCR is an extremely effective machine cleaner which will remove oligomer and dyestuff build-up from high temperature dyeing equipment such as jets, package equipment and beams. Trimmers are considered to be the most troublesome amongst oligomers in wet processing operations and along with tarred dyestuff and residual oils result in a build-up of tar and scale in the dyeing equipment.

 A typical cleaning operation for package, jet and beam machines would be as Follows:

i) Fill machine with hot water (600C)
ii) Add 4-5 g/l EBCALIB DCR
iii) 5 gm/l caustic soda flak
iv) Keep the bath at this temperature for 30-40 minutes.
v) Heat to 1300C and run for 30-45 minutes.
vi) If conditions allow, blow down; otherwise cool to 80 - 90 °C and drop bath.
vii) Finally rinse with warm water to remove any loosened residue.

PACKAGING

125, 140, 150 Kgs plastic drums or, 1000 Tank.

STORAGE

Stable when stored at normal temperature conditions, shake very well before use for optimum results. When stored correctly, in closed original container EBCA LIB DCR has a shelf life of up to 12 months.

The Technical data ascertained by our quality control laboratory at the time of product release may vary according to the storage time a