

1.4 Polyacrylic Optical brightening agents

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
for optical brightening of polyacrylic fibres to obtain high bluish whiteness. Suitable for exhaust and pad	OPTIC ACK liq.	suitable to exhaust and pad applications by exhaust application from acid baths or by pad steam dosage by 0,5 – 1,5 % owf	stilbene derivative	yellowish flakes	cationic

Enzyme Preparations

1 Antiperoxide Enzymes

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
peroxide removing after bleaching	A-PER	excellent peroxide removing. Dyeing of cellulose can be made in the same bath. Fungal catalase based enzyme reduces process steps, water and energy.	modified catalase	clear yellowish brown liquid	-
peroxide removing after bleaching	A-PER-B	excellent peroxide removing. Dyeing of cellulose can be made in the same bath. Bacterial based enzyme reduces process steps, water and energy.	bacterial base	clear yellowish brown liquid	-
peroxide removing after bleaching	A-PER %100	excellent peroxide removing. Dyeing of cellulose can be made in the same bath. Fungal catalase based enzyme reduces process steps, water and energy.	modified catalase	clear yellowish brown liquid	-

2. Antipilling Enzymes

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
antipilling application before or after dyeing of cellulose fibers	A-PILL	excellent antipilling on the surface of fabric with very low damage	cellulose	clear yellowish brown liquid	-
antipilling application before or after dyeing of cellulose fibers	A-PILL %100	excellent antipilling on the surface of fabric as well as between fibers	cellulose	clear yellowish brown liquid	-
antipilling application before or after dyeing of cellulose fibers	A-PILL %200	excellent antipilling on the surface of fabric as well as between fibers	cellulose	clear yellowish brown liquid	-

3. Scouring Enzymes

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
to replace high temperature alkali scouring process of cellulosic fabrics to save energy and time	SCOUR-SC	excellent removal of impurities, particularly pectins at low temperatures from raw cotton	pectinase	clear yellowish brown liquid	-

4. Desizing Enzymes

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
to remove starch sizing materials from fabrics during desizing baths	DESIZE 120	medium and high temperature enzyme ,works with high efficiency	bacterial amylase	clear yellowish brown liquid	-

5. Stonewash Enzymes

Application field	Product	Characteristics	Chemical composition	Appearance	Ionicity
during stonewash processes of garments	STONEWASH	excellent stonewashing effect with low dosage rate	combination of enzyme, buffering and dispersing agents	powder	-