

INTENSOL OLI

Character	Auxiliary for the reductive aftertreatment of PES and for boiling out machines and apparatuses
Chemical Character	Quaternary ammonium compound
Appearance	Liquid, colourless to slightly yellowish
Ionic Character	Non-ionic / cationic
pH Value of a 10 % Solution	7.0 – 9.0
Specific Weight at 20 °C	1.02 – 1.04
Stabilities	<p>INTENSOL OLI is stable to common chemicals and hard water and it is compatible with non-ionic and cationic products. Pretrials have to be carried out before combining INTENSOL OLI with anionic products.</p> <p>The product is sensitive to frost; changes occurring at low temperatures will disappear when warming up and stirring thoroughly.</p>
Storage	The product will hold for at least 12 months if stored properly in original containers.

Properties

INTENSOL OLI has the characteristic to saponify oligomers in the presence of alkali at temperatures between 80 °C and 130 °C. The various components are mixed in such a way that a reliable boiling out of apparatuses and machines is guaranteed. Deposits of dyes, oligomers and preparations are detached and kept in dispersion by the precipitation inhibitors, so that they do not redeposit in the machine parts during drainage.

At temperatures above 95 °C, the peeling of PES fabrics has to be expected. Applications at temperatures above 80 °C in reductive aftertreatment can have a slight impact on the fastnesses.

Application Fields

Diluting Instructions

INTENSOL OLI is soluble with cold water at any ratio.

Application Fields

INTENSOL OLI is successfully applied for saponifying oligomers in the reductive aftertreatment. In addition, INTENSOL OLI can be applied for boiling out machines and apparatuses for all fibre types in textile finishing.

Recommendation for Use

Reductive aftertreatment of polyester dyeings:

Preset 0.1 – 0.5 g/l KOLLASOL CDS

Liquor ratio 1 : 3
1.0 – 2.0 % INTENSOL OLI

Liquor ratio 1 : 5 to 1 : 10
2.0 % INTENSOL OLI

4.0 – 6.0 g/l NaOH 38 °Bé

3.0 – 6.0 g/l hydrosulphite or REDULIT GIN

(especially for not fully flooded machines REDULIT GIN should be used instead of a reduction agent such as hydrosulphite which is not heat-stable)

20 - 30 min at 70 - 80 °C,
rinse hot and cold
neutralise

Boiling out of apparatuses and machines:

2.0 - 5.0	g/l	INTENSOL OLI
4.0 - 9.0	g/l	NaOH 38 °Bé
2.0 - 3.0	g/l	REDULIT F

20 – 30 min
98 °C for cellulose
120 – 130 °C for all the other fibre types
rinse hot and cold

Remark:

Due to the cationic character of INTENSOL OLI the product must not be applied directly before dyeing.

Stripping of dyeings already aftertreated with INTENSOL OLI:

Before redyeing or levelling out dyeings, INTENSOL OLI has to be “stripped” first because of its cationic character.

The following stripping method has proven well:

4.0 - 5.0 g/l CHT-DISPERGATOR SMS

pH 4.0, adjusted with acetic acid 60 %
20 – 30 min at 98 °C, then rinse well warm and cold.

We reserve the right to modify the product and technical leaflet.

Our department for applied technique is always at your service for further information and advice.

Our technical advice and recommendations given verbally, in writing or by trials are believed to be correct. They are neither binding with regard to possible rights of third parties nor do they exempt you from your task of examining the suitability of our products for the intended use. We cannot accept any responsibility for application and processing methods which are beyond our control.

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