

TECHNICAL LITERATURE

SILTEX 30649/Retasil PA-L

Siltex 30649/Retasil PA-L is a mild oxidising agent widely used as a safeguard against the reduction of dyes in alkaline print pastes and in closed dyeing systems where reduction conditions may occur. It is also used in boiling/scouring of colored-border piece goods.

Characteristic:

Type	Nonionic
Appearance	Clear yellowish liquid
Solubility	Miscible with warm water
Compatibility	Compatible with all printing and dyeing processes

Advantages

- Can be used for protection of printed reactive colours against reduction fumes during steaming, thus improving the colour depth / brightness
- In case of discharge printing, the padded or exhaust dyed discharge-able reactive ground is padded with Siltex 30649/Retasil PA-L, so that the reduction fumes released from discharge agent decomposing, shall not affect unprinted ground colour. Being a mild oxidizing agent, Siltex 30649/Retasil PA-L resists reduction & safe guard ground colour by oxidation mechanism.
- In case of steaming of alkaline reactive padded goods [saturated steaming or E control developing processes], Siltex 30649/Retasil PA-L addition to pad liquor does the same protection function as mentioned for reactive prints steaming.
- Is recommended for use in all print pastes which may be alkaline, containing dyes sensitive to reduction action.
- May be used in cellulosic dyeing where reduction is likely to occur, i.e. when dyeing cellulose (particularly viscose) as or above the boil in closed machinery and in pad-steam dyeing.

Features

- By virtue of its preferential oxidation, it may be added as a precautionary measure against dye reduction during kier boiling/mercerizing of colored-border goods.
- Should not be used when printing nylon or with acid dyes.

Application

Printing

An addition of 20 to 30 parts/1000 parts of print paste will normally be sufficient.

Dyeing

For exhaust dyeing an addition of 10 to 20 gm/liter is recommended and for pad-steam applications, 10 to 30 gm/litre. Unless there is a history of reduction problem, lower concentration would suffice.

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Kier-boiling mercerizing

Addition of 5 to 20 gm/l would prevent/minimize dye-reduction/crossstaining of colored border goods in kier-boiling and 2 to 3 gm/liter additions in mercerizing/causticising.

Storage

At least one-year storage life under normal condition. Stir before use. Avoid freezing if possible as separation may occur. If it occurs, redisperse by thorough agitation after thawing.

NOTE: The information contained in this data sheet is the results of careful tests carried out objectively. Their purpose is to help our customers but do not imply any engagement on our part.