

TECHNICAL DATA SHEET

KSHLTEX 600 SN



Product information

Name : KSHLTEX 600 SN

Nature:

KSHLTEX 600 SN is an aqueous dispersion of a thermally self-cross-linking copolymer emulsion based on butyl acrylates to be used in "Textile Pigment" printing processing which has good washing fastness, rubbing fastness and excellent soft handle.

Storage: KSHLTEX 600 SN binder has a shelf life of 12 months when it is stored in original containers at temperatures of between 5°C and 35°C. Once the seal of the container is opened, the contents should be used up as early as possible. The container must be resealed after the contents are taken out.

Physical and Chemical Properties:

Physical Form	: Viscous Liquid
Appearance	: Milky white Liquid
Odour	: Acrylic-Like
pH value	: 7.0 – 8.0 (at 300C)
Viscosity	: 30-100 mPa.s (23° C), Method: Brookf-Visc.RVT Sp.1
Solid %	: 38 +/- 1
Specific Gravity	: 1.03 +/- 0.01 (at 300C)
Solubility	: Can be mixed with water at any ratio
Stability/Compatibility	: Very much compatible with the auxiliaries usually applied in printing and dyeing process.

Function: Excellent application properties. Very soft and good hand feeling. After curing the printed pigment colors have a very high fastness level. KSHLTEX 600 SN grants the permission for the production of ecological safe printing. The binder is used in discharge, resist and direct printing.

Application

Processing notes: KSHLTEX 600 SN has good similarity with the auxiliaries normally engaged in pigment printing and can be mixed with other KSHLTEX binders in all proportions. Cover the containers with plastic film or to pour a thin layer of white spirit over the surface of the paste if it is necessary to store the print pastes for an extended period. This white spirit can be readily emulsified into the paste with a high-speed stirrer prior to printing.

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Recipes: The recipes are intended as a guide and should be adapted as necessary to suit the local conditions (e.g. water hardness, processing conditions, substrate, etc.)

Standard recipe for economical prints on cotton fabrics (aqueous)

Water	: ... gm
KSHLTEX-600 SN	: 80-180 gm
KSHLTEX-SOFTNER TS	: 20 gm
KSHLTEX-LPT	: 30 gm
ECO Pigment (as required)	: ... gm
Ammonia (as required)	: ... gm
Total	: 1000 gm

Preparation of pigment thickening: The required amount of water is run into the mixing vessel and,

if necessary, an antifoam added (e.g. 0.5-1.5 g/kg Defoamer 110). The KSHLTEX 600 SN, KSHLTEX 490 FF and if required KSHLTEX ECO Fixing Agent is then added consecutively, with stirring. Finally, KSHLTEX LPT or KSHLTEX SPU 16 is stirred in, after which the mix is stirred with a high-speed stirrer until the thickener has swollen to its full extent (approx. 8-10 min).

pH: The print pastes should have a pH of at least 7.5-8 Lower values must be corrected by adding ammonia.

Fixation: The following conditions are recommended:

4-5 min at 150°C or

3-2 min at 160-170°C

With high-temperature steam, the prints should be fixed for 5-7min at a minimum temperature of 160°C.

Safety: This is the TDS (Technical Data Sheet) based on the product. But while using the product one must follow the information given in the products MSDS (Material Safety Data Sheet).

Disclaimer: The data contained in this publication are based on our current knowledge and experience.

All information is given in good faith but without warranty. They do not release you from testing our products as to their suitability for the intended processes and uses.

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