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Technical data Sheet

SARAFAST HLF NEW

UV Absorber for Technical Textile

Product Information

- Sarafast HLF New is Triazine based dispersion, suitable for High Temperature Exhaust Application, printing and continuous pad-thermosol application.
- It is suitable for Dyeing and printing of polyester Fibres, modified polyester Fibres and their blends that are exposed to critical light and heat conditions.
- Sarafast HLF new provide outstanding stability against heat and light.

Key Features & Benefits

Key Features	Benefits
UV absorber	Reduces fibre damage
Triazine chemistry:Triazine chemistry is undeniably a cornerstone of modern industrial advancements, known for best UV stability.	Counteracts photochemical Fibre and dye degradation, especially on long-term exposure to light and heat
Outstandingly stable to heat and light.	Safe fulfillment of light fastness requirements even after post-setting and molding processes. Fast to sublimation, no tendency to fogging.
Highest extinction rates over a wide range of UV rays.	Full absorption of UV rays hence maximum light fastness, functionality and stability of PES Fibres
Highly Exhaustible	In exhaust dyeing processes, the product is completely picked up by the polyester material and builds-up to a high level of UV absorption - thus showing a high efficiency and reduce colour fading.
Stable to alkaline conditions.	Suitable for dyeing in alkaline conditions as well as alkaline discharge printing processes.
Low viscosity and good storage stability.	Pumpable and easy to handle. Suitable for container transport and storage.
Fine particle size with remarkable dispersion stability properties.	Homogeneous dispersion, even at a high heating rate and under unfavorable dyeing conditions like package dyeing.
Good dispersion stability and low foaming	Suitable by exhaust method in soft flow, package & jet dying machine

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General Characteristics

Physical appearance	:	White to pale yellow dispersion
Chemical Constitution	:	Dispresant- containing Triazine derivative
Ionic nature	:	Non-ionic
pH of 1% solution	:	6.5-8
Specific Gravity at 20° C	:	1.05 g/cm^3
Miscibility	:	Dispersible with water
Compatibility	:	Compatible with anionic and non-ionic products
Stability	:	Stable in hard water to acids and alkalies, pH values 4 to 10

Application

Sarafast HLF New UV absorber is added to the liquor at the start of the dyeing cycle and applied by the HT exhaust or pad-thermosol method.
Stir well before removal from the container

1. Exhaust application during polyester dyeing with disperse dyes.
   - Dosage : 1.5-6%(on weight of the fabric)
2. Thermosol pad application
   - Dosage : 15-60 g/l(50-60% liquor pick-up)

Note

- Sarafast HLF New can be applied in presence of carrier, however the carrier residues may impair the light fastness properties of fabric.
- The effects attainable depend on the type of polyester Fibre (texture, amount of delustrant, denier and cross section), the dyes used and the individual shade.
- Sarafast HLF New shows a slightly yellow self-shade in printing and pad-thermosol application. Certain bright shades might be impaired by this whereas on trichromatic systems it could minimize the fading of the yellow component.

Precautions

Storage : Store in cool, ventilated shed away from heat and direct sunlight. Storage temperature should not exceed 35 deg C. Close lids firmly to avoid contact with air and moisture.
Shelf Life : 9 months from the date of manufacturing, if stored under controlled conditions.
Packing: 50 kg, 200 kg HDPE Drum