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SEN-40

scouring and emulsifying agent

SEN-40 is a very special nonionic surfactant with powerful scouring, emulsifying and penetrating character.

General properties:

- Appearance : Colorless transparent liquid
- Composition : Special surfactant
- pH(1% solution) : 7 +/- 1
- Ionic nature : nonionic
- Solubility : Easy to dissolve in cold water

Special features:

1. Powerful emulsifying and dispersing properties.
2. Good penetrating and scouring properties.
3. Suitable for pretreatment and one bath scouring/dyeing process.
4. Suitably combine with anionic scouring or bleaching agents.
5. Non-solvent type surfactant.

Application

1. For general scouring and emulsifying:

SEN-40 : 1.5 ~ 3g/l

98°C×30 min.

2. For oil-stained fabrics:

SEN-40 : 1.5 ~ 3g/l

TS : 1 ~ 2g/l

NaOH : 1 ~ 2g/l

98°C×30 min.

3. scouring & bleaching for cotton、polyester/ cotton :

SEN-40 : 1.2 ~ 3.2g /l

AZ-170 : 1 ~ 2 g/l

A -20 : 0.5 ~ 1 g/l

H₂O₂ (50%) : 4 ~ 7 g/l

NaOH (45%) : 4 ~ 6 g/l

Temp.×Time : 98°C~105°C× 30 ~ 60 min.

4. For one bath dyeing:

a. For polyester

SEN-40 : 1.5 ~ 3g/l

BSR(Dyeing bath softener) : 1 ~ 2g/l

RDT-27(Dispersing & leveler) : 0.5 ~ 1.5g/l

Disperse dyes : X%

pH:4.5 ~ 5.5 120 ~ 130°C×30min.

b. For nylon

SEN-40 : 1.5 ~ 3g/l

BSR(Dyeing bath softener) : 1 ~ 2g/l

NY-131(133)(acid dyes leveler) : 1 ~ 2g/l

Acid dyes : X%

pH: 3 ~ 4 100°C×30min.

for reducing foaming, prefer to add at 80°C

Note: full evaluation is recommended prior to commercial usage.