



# Hsin Sou Chemical Co., Ltd.

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## SEN-20

### scouring and emulsifying agent

**SEN-20** 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-20 : 1 ~ 2g/l

NaOH(45%) : 1 ~ 2g/l

98°C×30 min.

### 2. For oil-stained fabrics:

SEN-20 : 1 ~ 2g/l

TS : 1 ~ 2g/l

NaOH(45%) : 1 ~ 2g/l

98°C×30 min.

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

SEN-20 : 1.5 ~ 4.0g /l

AZ-170 : 1 ~ 2 g/l

A -20 : 0.5 ~ 1 g/l

H<sub>2</sub>O<sub>2</sub> ( 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-20 : 1 ~ 2g/l

SW-WA(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-20 : 1 ~ 2g/l

SW-WA (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.