



KOHANTAJ

Kohan Wet OK

Wetting, scouring and bleaching soap special formulated for cold and hot continuous systems

Physical Properties

Chemical composition: Mixture of surfactants

Appearance: Viscous yellow liquid

Ionic structure: Anionic

pH: 6

Active content: 80%

Solubility: Easily soluble in 30-40°C water

Advantages

- **Kohan wet OK** is a wetting and scouring soap for continuous systems; usable during scouring and bleaching processes to remove oils, waxes, and pectin from cotton. It also prevents impurities redeposition on the fabric.
- It has excellent enhancing hydrophilicity and color fastness, while also increasing fabric whiteness.
- Stable properties in **sodium hydroxide** up to 15° Baumé and also usable at 20° Baumé, only continuous mixing is required.
- Usable as leveling agent in dyeing process.

Application

- The dosage in bleaching baths varies depend on the system type, machinery, and continuous contact time which are influenced by fabric density, transport speed, dwell time in the foulard.
- The recommended dosage for scouring stage of cotton product: 0.3 g/l
- The dosage of scouring stage using a jigger: 1-3 g/l. (2 g/l ensures excellent dye penetration).
- The dosage of scouring stage using a Haspel machine: 0.5-1 g/l.
- In bobbin dyeing 10-20 g/l is enough.



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Bleaching Recipe for Wide-Width Fabrics:

- Kohan Wet OK 1-3 g/L
- Sodium Hydroxide 6-8 ° Baumé
- Impregnation Temperature 60-80 °C
- Scouring/Bleaching 95 °C, 1.5-2 hours

Bleaching Recipe for BOX-J System:

- Kohan Wet OK 1-3 g/L
- Sodium Hydroxide 6-8 ° Baumé
- Impregnation Temperature 60-80 °C
- Steaming Duration 1-2 hours

Bleaching with Sodium Hypochlorite:

- Active Chlorin 5-7 g/L
- Sodium Hydroxide 1-2 g/L (38° Baumé)
- pH 10-10.5
- Kohan Wet OK 0.3-0.5 g/L

Bleaching with Sodium Chlorite:

- Sodium Chlorite 80% 15-30 g/L
- Formic Acid 3-4 g/L
- Kohan Wet OK 1-3 g/L
- Tuz Tampon x g/L



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Recommended Recipe for Cold Continuous Bleaching System:

- Magnesium Sulfate 0.1-0.2 g/L
- Sodium Silicate 12-15 mL/L
- Sodium Hydroxide 12-25 g/L
- Kohan Wet OK 6-8 g/L
- Hydrogen Peroxide 50% 25-40 g/L

This recipe should be processed at room temperature for 16-24 hours.

Recommended Recipe for Hot Continuous Bleaching System:

- Kohan Wet OK 2-4 g/L
- Liquid Sodium Hydroxide 50% 10-20 g/L
- Hydrogen Peroxide 50% 25-40 g/L

Should be processed at 100°C in a continuous steaming chamber for 10-20 minutes.

Kohan Wet OK becomes cloudy in sodium hydroxide up to 5° Baumé. (no negative effect on quality).

the alkalinity and peroxide levels must be continuously titrated and monitored.

Water hardness should be adjusted to DH5 by adding 0.2 g/l of magnesium sulfate.

Packaging and Storage

- Available in 110 kg and 1000 kg IBC drums.
- It can be stored in original containers at room temperature for 6 months.
- Keep it away from direct sunlight and frost.
- Any change in appearance or color (light exposure) does not affect the final quality.