

Technical Bulletin

DyeTechs 6550

DESCRIPTION

DyeTechs 6550 is an alkaline buffering agent for use in the reactive dyeing of cellulose. The product promotes full exhaustion of cold and medium temperature dyeing reactive dyes.

DyeTechs 6550 can be used to replace powder alkali sources. The product is phosphate free.

BENEFITS

DyeTechs 6550 has the following beneficial characteristics.

- Easily Diluted
- Free Rinsing
- Phosphate Free
- Yields Flat Buffer Curve
- Strong Buffering in High PH Range
- Promotes Slow Strike

TYPICAL PROPERTIES

Color	Water White
Texture	Clear Liquid
Odor	Mild
PH	About 13
Solubility	Soluble
Specific Gravity	About 1.48

PREPARATION

DyeTechs 6550 should be pre-diluted with water prior to use. Add 1 part product to 5 parts water and mix thoroughly. Handle carefully.

APPLICATION

DyeTechs 6550 may be dosed as follows.

% Dye	Salt g/l	DyeTechs 6550
0.2 – 0.5	20 – 40	3.0
0.5 – 2.0	50 - 75	4.0
2.0 – 4.0	75 – 100	5.0
4.0 and >	100	6.0

After salt addition, heat to dyeing temperature and circulate for about 30 minutes. Add diluted alkali mix in the following proportions:

10% of mix	run for 15 minutes
20% of mix	run for 15 minutes
70% of mix	run for 15 minutes

Typical application levels for fiber reactive dyes requiring pH of about 11.0 is 4 to 6 grams per liter. Less is required for the higher affinity fiber reactive dyes, typically about 2 to 3 grams per liter

STORAGE

DyeTechs 6550 should be stored in a cool, dry and well-ventilated area. Do not freeze.

HANDLING

Please refer to the Material Safety Data Sheet for details.

PACKAGING

DyeTechs 6550 is available in totes or drums.

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