

Peroxide Stabilizer

Polyron® SC Liquid

FUNCTION

Polyron SC Liquid is a silicate free organic peroxide stabilizer with an excellent balance of chelating and dispersing properties. This product is recommended for use in all exhaust and continuous peroxide bleaching applications.

FEATURES

Polyron SC Liquid:

- Prevents the non-productive decomposition of peroxide in the bleach bath.
- Readily complexes iron and copper and prevents catalytic damage to cotton.
- Retards formation of insoluble calcium and magnesium salts that can cause spotty dyeing and harsh hand.
- Retards formation of insoluble deposits on process equipment.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	clear, amber liquid
Chemical description:	Blend of organic sequestrants
Ionic character:	Anionic
Specific gravity (g/cc):	1.30 (25°C/77°F)
pH (as is):	5.8 ± 1.0
Dilutability:	Dilutable in all proportions
Compatibility:	
nonionics:	Good
anionics:	Good
cationics:	Check before use
acids:	Good
bases:	Good (under normal bleach conditions)
Storage stability:	Good

APPLICATION INFORMATION

Polyron SC Liquid can be used in both continuous and exhaust bleaching processes. The actual usage level will be dependent on the process, type of fabric, level of contaminants in fabric and water, and desired level of performance. Your Clariant representative will be happy to evaluate your system requirements.

Guidelines

1. Continuous (approximately 100% wet pick-up)

Detergent/Wetting agent	4.0 - 1.0 g/l
Polyron SC Liquid	4.0 - 8.0 g/l
Silicate (42 Be)	10.0 - 20.0 g/l
Caustic soda (50%)	15.0 - 30.0 g/l
Hydrogen peroxide (50%)	20.0 - 50.0 g/l
Fluorescent Whitening Agent	2.0 - 10.0 g/l

- Treat for 45 - 90 minutes at 80 – 100°C
- Rinse hot to cold (acid rinse in next-to-last wash box can be included).

2. Exhaust (LR = 10:1)

Detergent/Wetting agent	0.5 - 1.0 g/l
Polyron SC Liquid	0.5 - 2.0 g/l
Silicate (42 Be)	0 - 3.0 g/l
Caustic soda (50%)	2.0 - 4.0 g/l
Hydrogen peroxide (50%)	3.5 - 6.0 g/l
Fluorescent Whitening Agent	0 - 1.0 g/l

- Treat for 30 - 60 minutes at 90 – 105°C/194-221°F.
- Rinse hot to cold.

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