

Degreasing Agent OE

Description

Degreasing Agent OE is for chemical & blended fabrics containing spandex in pretreatment process to degreasing and scouring, used on open width continuous washing machine to achieve solvent degreasing effect. Made from polyamide fabrics/spandex fabrics as the material of underwear and swimsuit which contains spandex giving good elasticity to clothes, snug wearing will be more suitable to swimming. But it needs to add certain amount of spinning oil in the produce process of spandex thread, also needs to use some lubricating oil when it works with other fibers such as polyamide and terylene; these oil used has very adverse effects on the dyeing and printing process. Organic solvent dry cleaning method is mainly used in the traditional pretreatment scouring to degrease. It is harmful to contact ethylene tetrachloride in the workshop for workers. Organic solvent harm to the environment is long lasting and not easy to be eliminated.

Degreasing Agent OE as substitute for organic solvent, it can solve the hidden danger caused by pretreatment on elastic fabrics to the environment. Its major characteristics as follows:

- Environmental protection
Washing oil removal, substitute for organic solvent. Decrease adverse effect to humankind and the environment.
- Remarkable oil removal effect.
For spandex spinning oil and chemical fiber weaving lubricants can completely remove, to facilitate subsequent dyeing and printing process smoothly.

Typical and Physical Properties

Product Type	Auxiliary/Degreasing Agent	
Application	Industry	
Brand	SCC	
Packaging	60Kg/Drum, 125kg/Drum	
Standard Instructions	Company Standard	
Volatility	Stable at Normal Temperature	
Solubility	Water Soluble	
pH Value	7 ± 1 (1% Aqueous Solution)	
Appearance	Colorless liquid	
Specific Gravity	1.00	
Ionicity	Nonionic	
Compatibility	Cationic	Soluble, sediment-free

	Nonionic	Soluble, sediment-free
	Anionic	Soluble, sediment-free

Key Features and Benefits

- Degreasing Agent OE can be used to washing under normal conditions, substitute for organic solvent tetrachloroethylene, more environmentally clean and improve the working conditions of the staff.
- Strong degreasing power has good elimination to spandex spinning particular oil and ordinary lubricants.
- Wide application range, good degreasing effect at 80-100℃.
- Small contagion to fabrics, easy to clean and no residue, no effect to subsequent process.
- Nonionic, has not special requirement to water quality.

Potential Applications

- Pretreatment degreasing for polyamide/spandex elastic fabrics.
- Pretreatment degreasing for cotton/spandex elastic fabrics.
- Applied to degrease in the vats of terylene/spandex elastic fabrics vat

How to Apply

1. Open width continuous washing degreasing formula:

Cloth type: 82% polyamide fabrics / 18% spandex warp knitted fabrics.

Equipment: 8 grooves open width continuous washing machine (speed setting 20-30m/min)

The first groove

Fully wetting at normal temperature water

The second groove

Formula: Degreasing Agent OE 6g/L
Sodium Carbonate 6g/L
Temperature: 85-95℃
Need to continue working liquid and partial drainage.

The third groove

Formula: Degreasing Agent OE 6g/L
Sodium Carbonate 6g/L
Temperature: 85-95℃
Need to continue working liquid and partial drainage.

The fourth groove

Formula: Degreasing Agent OE	4g/L
Sodium Carbonate	4g/L
Temperature:	85-95℃
Need to continue working liquid and partial drainage.	

The fifth groove

Formula: Degreasing Agent OE	4g/L
Sodium Carbonate	4g/L
Temperature:	85-95℃
Need to continue working liquid and partial drainage.	

The sixth groove

Washing in hot water at 80℃

The seventh groove

Washing in hot water at 60℃

The eighth groove

Washing in cold water.

2. Degrease formula in the dye vats:

Weft-knitted fabrics containing spandex fibers can choose to have degreasing scouring pretreatment in dyeing vat. Degreasing reference formula for terylene/spandex super fine weft-knitted underwear cloth as below:

Auxiliaries	Dosage
Degreasing Agent OE	2%
Sodium Carbonate	2%
Bath Ratio	1:10
Temperature	85-95℃
Time	30min

Precautions

- The fabrics take place dyeing process after schedule can have further degreasing in the dyeing vat, which is good to avoid dyeing defect. Especially to the sensitive colors, it can reduce white stains and

uneven dyeing.

- Well stir before use after long time storage.
- Reference formula above just for product interpretation, the actual production formula is determined by conditions of the factory equipment and fabrics components. Actual production formula should be determined after sample trials.

Packaging

Plastic drum, 125Kg/Drum.

Storage

Prevent from sunlight exposure and freeze, placed in a ventilated cool area.

Shelf Life

12 months.

Notes

Kindly please be sure to have bulk trials before production and determine the optimum formula. Any questions or suggestion please contact SCC customer service hotline: +86-400-9955331 or visit the company web site www.thescc.net to obtain information. The manual may be updated based on SCC technology; we shall inform you the latest updates timely.

Technology and Application Centre of Shanghai SCC Fine Chemicals Co., Ltd.