

Last Updated: 14.05.2024

Product Code: PX0019

**PERFASCOUR GDE** is a solvent based auxiliary, formulated from a solution of selected alcohols and ethers with non-ionic and anionic emulsifiers, for pre-scouring, scour/dye and post dyeing operations.

**PERFASCOUR GDE** does not contain banned substances listed by GOTS/ZDHC, Oeko-Tex Standard 100 and Bluesign.

### APPLICATION

To dissolve **Perfascour GDE**, add the required amount to warm water, stirring, until a clear solution is produced. The solution can now be added to the scour or dyebath. Levels of 0.5 – 2.0 g/l should be employed.

### Cotton Pre-treatment

Before dyeing or printing of cotton goods, it is usual to pre scour or bleach to improve the absorbency of the goods. Including **Perfascour GDE** in these processes will ensure good wetting out, absorbency and wax removal. Caustic wash off will also be improved.

**Perfascour GDE** is an excellent scouring agent for removal of spin finish from yarns and finishes containing elastomeric fibres.

### Dyeing

In any wash off situation the detergency and anti-redeposit ion properties will ensure good clean dyeings with enhanced fastness.

### Wool

When pre-scouring wool yarns or fabrics 2-4 grams/litre **Perfascour GDE** should be employed along with a suitable amount of Sodium Bicarbonate to overcome any pH irregularities.

When dyeing hard twist carpet yarns where penetration is a problem, the addition of 1 g/l **Perfascour GDE** to the dyebath will ensure penetration and will also remove and hold in suspension any Wool grease, which the scouring process has failed to remove.

In garment dyeing the addition of 0.5 g/l will improve seam penetration and ensure cleaner dyeings. With heavily contaminated yarns **Perfascour GDE** will boost the performance of traditional detergents thus ensuring a low residual. In chrome dyeing, particularly black, rubbing fastness can be improved by including 0.5 g/l **Perfascour GDE** in the dyebath.

The addition of .05 g/l **Perfascour GDE** to loose wool dye baths will ensure low residuals and good clean dyeings.

### Synthetics

In polyamide and polyester dyeing of knitted goods in jet machines, the inclusion of **Perfascour GDE** in the dyebath will in some cases obviate the need for pre rinsing and will keep machines clean and free of oligomer. This is particularly important in the heat exchangers for high temperature machines. It is important, before using **Perfascour GDE** in either polyester dyeing or reduction clearing, to boil out the machine with **Perfascour GDE** to remove old oligomer from the machine. Rub fastness after reduction clearing, particularly of dark shades, will be improved by the use of **Perfascour GDE** as its anti redeposit ion properties will ensure that no oligomer or unfixed dye adheres to the fabric or yarn.

1/2

## Denim Processing

The strong emulsification properties make **Perfascour GDE** suitable for use when de-sizing denim jeans prior to stone washing. The inclusion of 1-2 g/l **Perfascour GDE** in the enzyme baths will reduce staining by indigo dye on to pockets and adornments, as well as giving a clear contrast on the fabric.

## BENEFITS

- **Biodegradability:** Formulated with surfactants which are classed as readily and ultimately biodegradable.
- **Emulsification:** Removes and emulsifies dirt, oil, wax etc. and keeps them in suspension preventing redeposition.
- **Penetration:** Due to its solvent content, **Perfascour GDE** is especially suited for penetrating and removing oil and grease stains.
- **Scour dye ability:** Because of its excellent dye dispersing power **Perfascour GDE** may be used as a scour/dye auxiliary on synthetic or natural fibres and their blends.
- **Foam Control:** **Perfascour GDE** may be used in non-fully flooded jet dyeing machines because of its excellent foam control properties.
- **Caustic Stability:** Because of its stability to caustic soda and sodium hydrosulphite, **Perfascour GDE** can be used in the reduction clear bath to remove unfixed disperse dye from the surface of polyester fabric.
- **Build-Up:** Has no effect upon the build-up, yield or fastness of disperse, acid or pre-metallised dyestuffs.
- **Pre-scour:** Can be used along with a suitable alkali (e.g. caustic soda, soda ash, phosphates) in pre-scouring or soaping-off operations.

## TYPICAL PROPERTIES

Appearance:	Clear, water-white solution	Specific Gravity @ 15 <sup>0</sup> C:	0.950-1.000
Ionic Activity:	Non-ionic/Anionic	pH (1% aqueous solution):	6-8

## PACKAGING

**Perfascour GDE** is available in 20 kg, 200 kg drums, 1000 kg IBC's.

## HANDLING PRECAUTIONS

The usual precautions in handling chemicals should be observed and it is recommended that operatives should wear goggles and gloves when handling the concentrated product. Any contact with skin and eyes should be washed immediately with copious amounts of cold water. Please refer to Material Safety Data Sheet for further information.

## HEALTH & SAFETY

This product has been manufactured to the highest standards and when used for the purpose recommended is unlikely to present any significant health hazards. A Material Safety Data Sheet is available.

Indicated data are approximate values and are subject to the usual commercial fluctuations. All information correct at time of going to press to the best of our knowledge. This information may be subject to change without notification due to continual product research and development.