

## Unidyne TG-5546

is a water-based fluorocarbon polymer emulsion. It imparts water and oil repellency to e.g. textiles and nonwovens.

### Product Features

- Based on C-6 chemistry
- 30% solid
- Imparts excellent water, oil, and IPA repellency especially to synthetic fiber
- Imparts excellent Diesel repellency
- Excellent durability to washing, when combined with cross-linker

### Physical Properties

<i>Appearance</i>	whitish - light yellow emulsion
<i>Charge</i>	weakly cationic
<i>pH</i>	2,5
<i>Specific gravity at 25°C</i>	1,07 - 1,17 g/cm <sup>3</sup>
<i>Solubility</i>	fully miscible with water

### Storage / Shelf-life

- TG-5546 should be stored according to the Material Safety Data Sheet
- Avoid freezing
- When stored using the recommended conditions, shelf-life is 18 months after production date

### Safety

Before using this product, please read the current Material Safety Data Sheet and the precautionary statement on the product package.

Follow all applicable directions.

## Application Guide

- Padding process
- pH of the finishing liquor 3-7
- pick-up 30-90%

### Standard recipe

<i>Substrate</i>	Cotton / Synthetics / Blends
<i>Concentration</i>	10 - 60 g/l TG-5546
<i>Curing conditions</i>	160 - 180° C, 30 - 90 sec., depending on the material*

### Durable recipe

<i>Substrate</i>	Cotton / Cotton blends
<i>Concentration</i>	40 - 100 g/l TG-5546 10 - 30 g/l Cross-linker
<i>Curing conditions</i>	160 - 180° C, 60 - 120 sec., depending on the material*

### Diesel repellency

<i>Substrate</i>	PES nonwoven
<i>Concentration</i>	5 - 20 g/l TG-5546
<i>Curing conditions</i>	160 - 180° C, 30 - 90 sec., depending on the material*

\*The lower the curing temperature, the longer the curing time.

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