

# RESSISOFT NT

## Introduction

Silicone oil in primary form (Hydrophilic Silicone oil RESSISOFT NT) is a high concentration special block structure of quaternary silicone oil in primary form, product can be used in various textile finishing, such as cotton, cotton blending, rayon, viscose fiber, chemical fiber, silk, wool, etc., especially adapted to fabric that needs high hydrophilicity. Excellent product stability, alkali, acid, high temperature cannot cause emulsion breaking, completely solve the sticky rollers and cylinders and other safety issues; can be stained with the bath. Excellent soft feel. Does not cause yellowing.

## Characteristics

- Appearance Translucent yellow liquid
- pH value 4~6(1% Aqueous solution)
- Ionic Character Weak cat ion
- Diluents Water
- Compatibility Mixed use with cationic and nonionic auxiliaries

## Features of products

- Hydrophilic Silicone oil RESSISOFT NT imparts superior softness and very low yellowing.
- Excellent product stability, RESSISOFT NT dilution are extremely stable at alkali, acid or high temperature finishing bath and can be used in dyeing bath. RESSISOFT NT completely avoid the problem that breaking silicone emulsion sticky roller.
- Provides water dilutions that have excellent compatibility with conventional textile auxiliaries, can be used with fluorocarbon soil release agents at same finishing bath.

## Applications

1 Exhaustion process:  
RESSISOFT NT (After dilution) 0.5~1%o.w. f  
Usage :40°C~50°C×15~30min

2 Padding process:  
RESSISOFT NT (After dilution) 5~15g/L  
Usage: double-dip-double-nip

## Emulsification method

Cold water Emulsification method

RESSISOFT NT	37.8 kg
TO5	6.4 kg
TO7	6.4 kg
Ethylene glycol butyl ether	5.6 kg
Acetic acid	0.96 kg
Water	30 kg
Water	30 kg
Water	32.9 kg

## Usage

First, take 37.8kg RESSISOFT NT, 6.4kg TO5, 6.4kg TO7 and 5.6kg ethylene glycol butyl ether into the emulsification kettle, then turn on the blender and stir the RESSISOFT NT mixture for 30mins. Second, mix water1 and acetic acid, then slowly add the mixture to emulsification kettle while stirring the RESSISOFT NT mixture as fast as stirrer can. Third, slowly add water2 and water3 into the emulsification kettle then stirring for 30mins or more until the mixture is transparent, turn off the blender and filtration the final product.

## Storage and shelf-life

When stored in the original unopened packaging at a temperature of between +2°C and +40°C, RESSISOFT NT can be used for up to 6 months after the date of manufacture marked on the packaging (DLU). Comply with storage instructions and the expiry date marked on the packaging.