

SILIKOFTAL® HTT

silicone polyester resin

Special features

- excellent dishwasher detergent resistance
- low yellowing
- good gloss retention
- without addition of organotin-containing compounds

Technical information

delivery form	liquid
appearance	clear to slightly hazy liquid (product properties are not affected by haziness)
non-volatile content	approx. 75 %
solvent	isobutanol / methoxypropylacetate 1 : 10
viscosity at 25 °C	approx. 2000 mPa s

Suitability for

solventborne	clear coat
●	●
pigmented	direct grind
●	●

● = suitable ... ○ = not suitable

Application

- non-stick coatings in combination with PTFE
- decorative coatings of cookware, household appliances and electric and gas heaters with a permanent thermal stability of 250 °C

Processing instructions

- All heat-resistant pigments can be used due to the product's excellent pigment compatibility.
- Limited miscibility with aromatic hydrocarbons.
- Application by spray (incl. electrostatic), dipping or brushing.

Dilution

Dilutable by esters, ketones and glycol ethers.

Baking conditions

- 250 °C/30 min
- 270 °C/15 min.

Suitability for food contact

- Detailed information on the BfR status is available on request.
- SILIKOFTAL® HTT can be used in compliance with FDA Regulation 21 CFR 175.300.

Registration status

SILIKOFTAL® HTT respectively its ingredients are listed in the following chemical inventories: DSL, ECL, EINECS, ENCS, IECSC, TSCA, NZIOC, TCSI.

All intentional ingredients are listed on the DSL (Domestic Substance List) inventory or have been notified pursuant to the NSN (New Substances Notification) regulations.

All intentional ingredients are listed on the TSCA inventory or comply with the TSCA Polymer Exemption criteria according 40 CFR 723.

Further information on regulatory topics can be found on the Regulatory Data Sheet.

All intentional ingredients are listed on the ECL inventory or comply with the Polymer Exemption criteria.

Packaging

steel drum with bung 200 kg

Storage stability

When stored in an original unopened packaging between -10 and +40 °C, the product has a shelf life of at least 12 months from the date of manufacture.

However, contact with tin (e.g. with metal containers) will shorten storage stability.

Keep dry. Contact with moisture causes gelation.

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.
(Status: 11/2015)

Evonik Resource Efficiency GmbH · Goldschmidtstrasse 100 · 45127 Essen · Germany · PHONE +49 201 173-2222 · FAX +49 201 173-1939 · www.tego.de