

SILIKOPHEN® P 80/20

solventborne binder for heat-resistant anti-corrosion paints

Special features

- excellent air-drying properties

Application

- anti-corrosion coatings for mufflers, ovens, chimneys, oven inserts, barbeques and electric and gas heaters

Processing instructions

- Limited miscibility with aromatic hydrocarbons.
- Use with metallic pigments and special formulations to obtain continuous heat-resistance of up to 650 °C.

Dilution

When diluting with aromatic solvents (toluene, xylene, Solvesso 100) it is recommended to add either isobutanol or a ketone to the aromatics at a ratio of 9:1.

Chemical description

methylphenyl polysiloxane resin

Technical information

- delivery form liquid
- appearance clear to slightly hazy liquid (product properties are not affected by haziness)
- non-volatile content approx. 70 %
- solvent xylene / methoxypropylacetate / butyl acetate 6 : 3 : 2
- viscosity at 25 °C approx. 800 mPa s

Baking conditions

- 250 °C/45 min.
- Coatings will give temporary corrosion protection immediately after air-drying. The full protective properties do not develop until coated objects reach operating temperature. Handling and transport is possible without intermediate baking.

FDA/BfR status

SILIKOPHEN® P 80/20 cannot be used in compliance with existing regulations in articles intended to come into contact with food.

Registration status

SILIKOPHEN® P 80/20 respectively its ingredients are listed in the following chemical inventories: AICS, DSL, ECL, EINECS, ENCS, IECSC, PICCS, TSCA.

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.

TSCA / DSL

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Packaging

steel drum 200 kg

Storage stability

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

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