Technical Data Sheet

# SINTHERM OIL 350

**High performance silicone fluid**

## Description

SINTHERM OIL 350 is part of silicone oils range characterized by extreme purity and particular physical properties. These oils are products with particularly low pour point. Flash points of oils with high viscosity are significantly above 300°C. SINTHERM OIL 350 has extremely high viscosity index, outstanding resistance to shearing stress, excellent stability, minimum loss due to volatility and perfect water resistance. SINTHERM OIL 350 is harmless lubricant, NSF H1 certified, particularly suitable for use in foodstuff, pharmaceutical and cosmetic industry.

## Use / application

SINTHERM OIL 350 can be used as chain lubricant for example for chains working under particularly elevated temperatures, as detachment or skidding agent in plastic production industry, dielectric fluid (for example in transformers or condensers), waterproofing material and other similar applications.

## Technical Data

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|---|---|---|---|
| Density at 25°C | ASTM D4052 | g/cm³ | 0.97 |
| Viscosity at 25°C | ASTM D445 | mm²/s | 350 |
| Viscosity at 25°C | ASTM D2983 | mPa.s | 340 |
| Flash point (COC) | ASTM D92 | °C | > 300 |
| Pour Point | ISO 3016 | °C | -50 |
| Thermal conductivity at 50° | | WK-1m-1 | 0.15 |
| Dielectric Constant at 25°C and 100 Hz | | | 2.73 |



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**NSF International / Nonfood Compounds Registration Program**

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**RE:** Sintherm Oil 350
Category Code:H1
NSF Registration No.164899

NSF has processed the application for Registration of **Sintherm Oil 350** to the *NSF International Registration Guidelines for Proprietary Substances and Nonfood Compounds* (2021), which are available upon request by contacting NonFood@nsf.org . The NSF Nonfood Compounds Registration Program is a continuation of the USDA product approval and listing program, which is based on meeting regulatory requirements including FDA 21 CFR for appropriate use, ingredient and labeling review.

**This product is acceptable as a lubricant with incidental food contact (H1) for use in and around food processing areas. Such compounds may be used on food processing equipment as a protective anti-rust film, as a release agent on gaskets or seals of tank closures, and as a lubricant for machine parts and equipment in locations in which there is a potential exposure of the lubricated part to food. The amount used should be the minimum required to accomplish the desired technical effect on the equipment. If used as an anti-rust film, the compound must be removed from the equipment surface by washing or wiping, as required to leave the surface effectively free of any substance which could be transferred to food being processed.**

NSF Registration of this product is current when the NSF Registration Mark and Category Code appear on the NSF-approved product label, and the Registered product name is included in the current NSF White Book Listing of Nonfood Compounds at the NSF website (www.nsfwhitebook.org).

NSF Listing of all Registered Nonfood compounds by NSF International is not an endorsement of those compounds, or of any performance or efficacy claims made by the manufacturer.

Registration status may be verified at any time via the NSF website, at www.nsfwhitebook.org . Please note the letter date reflects most recent product review. NSF utilizes annual verification to ensure no changes have been made to a registered product. Changes in formulation or label, without the prior written consent of NSF, will void Registration, and will supersede the on-line listing. Please contact your NSF Account Manager or nonfood@nsf.org if you have any questions or concerns pertaining to this letter.

Sincerely,

Orsolya Dezsi
NSF NonFood Compound Registration Program
Company No: N11242