



PO Box 5411
Arlington, TX 76005
817-469-7777

SPI-D5P

SPI-D5P consists of decamethylcyclopentasiloxane.

CTFA Cosmetic Ingredient Dictionary No.: 541-02-06.

CTFA name: Cyclopentasiloxane

ADVANTAGES

- Smooth, non-oily liquid
- Very low surface tension
- Good volatility
- Non-toxic
- Good skin tolerance

FIELDS OF APPLICATION

- Antiperspirants, deodorants
- Hair lacquers
- Beauty creams
- Sun creams

TYPICAL PROPERTIES

Appearance	clear liquid
Purity, %	>99
Specific gravity @ 25°C	0.95
Viscosity @ 25°C, cSt.	4.0
Refractive index @ 25°C	1.396
Freeze point, °C	-40
Boiling point @ 1013 mbar, °C	210
Vapor pressure @ 25°C, mbar	<1
Flash point (closed cup), °C	76

Volatility:

Evaporation rate AFNOR NF T 30-302 @ 80°C, g/min.	0.075
Evaporation time DIN 53 170 @ 23°C, sec	8400

Please note: The typical properties listed in this bulletin are not intended for use in preparing specifications for any particular application of SPI silicone materials. Please contact our Technical Service Department for assistance in writing specifications.



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SOLUBILITY

SPI-D5P is soluble in:

- Methylene Chloride
- Acetone
- Methyl, ethyl, propyl, isopropyl and butyl acetates
- Methanol, ethanol, propanol and isopropanol
- It is insoluble in water and ethylene glycol.

TOXICITY

In the test conditions used, SPI-D5P was non-toxic, applied as such percutaneously in rats at a dose of 2000 mg/kg.

In rabbits, applied to the eyes, SPI-D5P as such was slightly irritant and non-corrosive in the test conditions adopted.

In rabbits, in a local cutaneous application, SPI-D5P as such was slightly irritant and non-corrosive in the test conditions adopted.

SAFETY

Product safety information required for safe use is not included. Before handling, read the Material Safety

Data Sheet and container labels for safe use, physical and health hazard information.

STORAGE AND SHELF LIFE

When stored in the original, unopened containers at or below 25°C (77°F), SPI-D5P has a shelf life of 12 months from date of shipment from Silicones Plus, Inc. This product is flammable and should be kept away from any risk of fire

PACKAGING

SPI-D5P is available in 180 Kg containers. Certificate of Analysis for each lot purchased is available on request. SPI is a registered trademark of Silicones Plus, Inc.

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