SILICONE OIL350

POLYDIMETHYLSILOXANE - (INCI: DIMETHICONE)

PHYSICAL - CHEMICAL CARACTERISTICS:

Chemical nature		POLYDIMETHYLSILOXANE (SILICONE)
Odour		ODOURLESS
Colour		COLOURLESS
Solubility		SOLUBLE IN AROMATIC HYDROCARBONS, ETHERS, KETONES
Density at 25°C	g/cm^3	0,970 $\pm$ 0,020
Surface tension at 25° C	Dine/cm	20 – 21
Viscosity availability (din. at 25°C)	mPa·s	350 $\pm$ 25

PROPERTIES:

- High compressibility
- Low vapour tension
- Low solidifying point
- Resistance to low and high temperature
- Low volatility
- Extremely low toxicity

APPLICATIONS:

- heat exchange fluid – temperature bath
- additive for cosmetic (creams; lotions; body care) and pharmaceutical formulations
- release agent for rubber and plastic items
- liquid dielectric for electrical and electronic equipment
- hydraulic fluid
- lubricant
- release agent
- paints auxiliaries

Silicone oils have a high thermal stability, and can be used in temperature between -50° and +220°C without changing the properties or physical features.
It has a high chemical inactivity: does resist to weather agents, at radiations, at oxidation and hydrolysis.
Temperature or weather conditions do not influence its fire-proofing quality.
The silicone fluid (dimethylpolysiloxane) is virtually not toxic and does not irritate skin, but we suggest to avoid the contact with eyes because could provoke a light temporary irritation.

AVAILABLE PACKAGING:

50 – 200 KG drums; IBC of 950 KG.

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