



PROTECTING



SILICONE



DANGER

MASTON SILICONE is a high-grade, clear and pure protective agent and lubricant. Forms a clear protective layer that repels water and keeps e.g. rubber gaskets from freezing and becoming brittle. Suitable for industrial and household use on e.g. plastic, leather, metal, rubber and wooden surfaces at ambient temperatures of $-45\text{ }^{\circ}\text{C}$ - $+305\text{ }^{\circ}\text{C}$. Maston Silicone makes working easier and lengthens the useful life of the treated object. Instructions: Spray onto object to be treated. Repeat treatment with Maston Silicone sufficiently often.

Silicone is a 25% w/w of a linear, non-reactive polydimethylsiloxane with a viscosity of approx. $1000\text{ mm}^2/\text{s}$ in an aliphatic hydrocarbon solvent. Due to its chemical structure, Silicone has an outstanding property profile, which sets it apart from organic materials such as mineral oils.

Application details Due Silicone many diverse applications, no general processing information can be provided. Parameters will vary from application to application. Available in a range of viscosities. Silicone is a non-polar liquid and is immiscible with polar solvents such as water or short-chain alcohols. In aliphatic and aromatic hydrocarbons, chlorohydrocarbons, ethers, esters, ketones and higher alcohols, Silicone is a 255 solution in an Aliphatic Hydrocarbon.

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES OF THE ALIPHATIC SOLVENT

APPEARANCE Clear liquid with low viscosity.

ODOUR A mild characteristic odour.

MELTING POINT/FREEZING POINT Melting point / Pour point $< -15\text{ }^{\circ}\text{C}$

INITIAL BOILING POINT AND BOILING RANGE $87\text{--}110\text{ }^{\circ}\text{C}$ (EN ISO 3405)

FLASH POINT Below $0\text{ }^{\circ}\text{C}$

EXPLOSIVE PROPERTIES

Lower explosion limit 1,4 vol-%

Upper explosion limit 7,6 vol-%

VAPOUR PRESSURE Appr. 6 kPa @ $20\text{ }^{\circ}\text{C}$ (estimate)

VAPOUR DENSITY > 3 (Air = 1.0)

RELATIVE DENSITY 0.72 - 0.75 ($15/4\text{ }^{\circ}\text{C}$; water= 1) (ISO 12185)

SOLUBILITY(IES)

WATER SOLUBILITY Slightly soluble

FAT SOLUBILITY (solvent /oil to be specified) No data available

PARTITION COEFFICIENT: n-octanol/water Naphtha hydrocarbons log Kow = 2-7

AUTO-IGNITION TEMPERATURE approx. $260\text{ }^{\circ}\text{C}$ (estimate)

VISCOSITY Kinematic viscosity $< 2\text{ mm}^2/\text{s}$ ($40\text{ }^{\circ}\text{C}$; water= $0,6\text{ mm}^2/\text{s}$).

VISCOSITY, dynamic $< 50\text{ mPa}\cdot\text{s}$ ($20\text{ }^{\circ}\text{C}$).

MOLECULAR WEIGHT approx. 100.0

SURFACE TENSION 22 mN/m @ $20\text{ }^{\circ}\text{C}$ (Wilhelmy plate).

SIZE: 400ml, (4L and 10 L by order)

SALES QTY: 400ml 6 pcs

SPRAY SILICONE 400ML

ART NR 3130001 BAR CODE 6412490000486

SILICONE 4 L (by order)

ART NR 655001 BAR CODE 6412496550015

SILICONE 10 L (by order)

ART NR 655009 BAR CODE 6412490027261