

Baysilone* Fluid OF OH 502 3%

Product Description Baysilone OF OH 502 3% is a low molecular weight solvent-free, linear polydimethylsiloxane with terminal primary hydroxyalkyl-groups capable of normal alcohol reactions. Strict quality controls are observed throughout its manufacture to ensure that each molecule is functionalised with exactly two hydroxyl groups at each end of the polymer.

Baysilone OF OH 502 3% is soluble in ethanol, n-butanol, aromatics, medium hydrocarbons, and carbon tetrachloride and is easily emulsifiable in water due to its high polarity. It is not soluble in polydimethylsiloxanes.

- Key Performance Properties**
- Able to participate in reactions similar to those undertaken with any alcohol, such as a polyol in polyurethane chemistry.
 - Ease of use due to strict stoichiometric control of hydroxyl content.
 - When reacted into a polymer it imparts permanent flexibility, abrasion resistance, anti-drag and anti-stick properties as well as low temperature elasticity.
 - Imparts hydrophobicity.

Typical Product Data

Physical Form	-	Pourable liquid
OH-groups	weight-%	3
Flash Point	°C	~ 90
Kin. - Viscosity at 25°C	mm ² ·s ⁻¹	35
Specific Gravity at 25°C	g·cm ⁻³	0.98

Table 1: Typical product data values should not be used as specification. Assistance and specifications are available from Momentive Performance Materials.

Test	Unit	Value
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Application Baysilone OF OH 502 3% silicone contains terminal hydroxyalkyl (-CH₂-OH) groups. In contrast to the silanol (-Si-OH) terminated dimethyl-silicones of the Baysilone T fluid series, Baysilone OF OH 502 3% fluid is able to form non-hydrolysable ether bonds. Therefore, it can be chemically bonded into systems that are reactive towards alcohols, like polyurethane fabric and leather coatings imparting durable silicone properties without creep and migration. In case a lower molecular weight version is needed, we recommend Baysilone OF OH 502 6%.



**Handling
and Safety**

The product safety information is not included in this datasheet. When handling chemicals, proper safety precautions must be observed and suitable personal protection equipment shall be used. Prior to handling this product it is required to consult the technical and safety data sheets and container labels for safe use. Safety Data Sheets are available via our web page or upon request at Momentive Performance Materials.
Similar information for solvents and other chemicals recommended in this data sheet should be obtained from the respective suppliers.

Packaging

Baysilone OF OH 502 3% is available in This product is available in 50kg pails and 184 kg drums.

Availability

Products may be ordered from Momentive Performance Materials, the Momentive Performance Materials Sales office nearest you or where appropriate, an authorized Momentive Performance Materials product distributor. Contact information is supplied on the last page of this datasheet.

PRINCIPAL LOCATIONS – Regional Information

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Latin America	Rodovia Eng. Constâncio Cintra, Km 78,5	T +55.11.4534.9650	F +55.11.4534.9660
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Pacific	Akasaka Park Building - 5-2-20 Akasaka Minato-ku, Tokyo 107-6112 Japan	T +81.3.5544.3100	F +81.3.5544.3101

CUSTOMER SERVICE CENTERS

North America	Charleston, WV 25314, USA E cs-na.silicones@momentive.com		
	<ul style="list-style-type: none"> Specialty Fluids UA, Silanes, Resins, and Specialties RTV Products-Elastomers Sealants and Adhesives & Construction 	T 800.523.5862 T 800.334.4674 T 800.332.3390 T 877.943.7325	F 304.746.1654 F 304.746.1623 F 304.746.1623 F 304.746.1654
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