



BAYSILONE* FLUID OF OC 110
SILICONE POLISH ADDITIVE

PRODUCT DESCRIPTION Baysilone OF OC 110 is based on reactive polyorganosiloxanes in hydrocarbon solvents. Baysilone OF OC 110 is a detergent-proof additive, which has been developed specifically for the care of paintwork.

- KEY PERFORMANCE PROPETIES**
- Baysilone OF OC 110 forms a detergent proof protective film on metal and paint surfaces.
 - The formed film imparts water and wet-soil repellency
 - It improves the weather ability and durability of PDMS based polishes.
 - It enhances the gloss of wax-based polishes.
 - It prevents corrosion on treated metal surfaces.

PHYSICAL PROPERTIES

Property	Unit	VALUE
Physical Form	-	Colorless, pour able liquid
Silicone Content	%	~40
Specific Gravity at 25°C	g·cm ⁻³	~0.86
Viscosity at 20°C	mm ² ·s ⁻¹	~10
Refractive Index 25°C	-	1.43
Flashpoint	°C	> 21
Soluble in	-	Chlorinated, aliphatic and aromatic organic solvents, esters, ethers or ketones
Insoluble in	-	Acetone, lower alcohols or water

Table 1: Typical product data values determined on commercial material whose properties might vary within the specification limits. Typical product data values should not be used as specifications. Assistance and specifications are available from Momentive Performance Materials.

APPLICATION

Baysilone OF OC 110 has been designed as wax-type independent additive, to improve the weather and detergent resistance of polishes. It is particularly strong in the maintenance of paintwork, like car exteriors.

It can be combined with virtually any type of wax, whereby it constitutes an extremely detergent - and weather-resistant protective layer on paint or metal surfaces exposed to humidity. Moreover, Baysilone OF OC 110 enhances the performance of Oil M- and Viscasil-Fluids when formulated into polishes.

Due to its polyorganosiloxane based nature it exhibits also silicone related benefits like ease of application, high gloss as well as water and wet-dirt repellency.

It is soluble in most unpolar and semipolar organic solvents like chlorinated, aliphatic and aromatic organic solvents, as well as esters, ethers and ketones. It is not soluble in polar solvents like acetone, lower alcohols or water.



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FORMULATION
GUIDELINES

According to our laboratory tests a mixture of ~2 parts by weight of Baysilone OF OC 110 and 1 part by weight of Wax has been found to be effective. The following formulations for protective dressings are intended as starting point for the development of car care. They have to be carefully checked with regards to stability and performance for the application desired by you.

Formulation 1

Materials	Parts / Weight-%
Step 1	
Baysilone OF OC 110	04.00
Kristallöl °21	90.00
Step 2	
Hard Wax	02.00
Kristallöl °21	04.00

Formulation 2

Materials	Parts / Weight-%
Step 1	
Baysilone OF OC 110	04.00
Oil M-1000	
Kristallöl °21	90.00
Step 2	
Hard Wax	02.00
Kristallöl °21	04.00

Preparation

Step 1

Dissolve Baysilone OF OC 110 and optionally Oil M-1000 at room temperature by stirring in the solvent.

Step 2

Heat Solvent to dissolve hard wax

Step 3

Pour step 2 formulation under stirring into step 1 formulation.

PACKAGING

Baysilone OF OC 110 is available in 180kg drums.

PRODUCT
SAFETY

When considering the use of any Momentive Performance Materials products in a particular application, you should review our latest Material Safety Data Sheets and undertake appropriate testing to ensure that your intended use can be accomplished safely. For Material Safety Data Sheets and other product safety information, contact the Momentive Performance Materials sales office nearest you. Before handling any of the products mentioned in the text, please obtain available product safety information and take necessary steps to ensure safety of use.



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	• Specialty Fluids	T 800.523.5862	F 304.746.1654
	• UA, Silanes, Resins, and Specialties	T 800.334.4674	F 304.746.1623
	• RTV Products-Elastomers	T 800.332.3390	F 304.746.1623
	• Sealants and Adhesives & Construction	T 877.943.7325	F 304.746.1654
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