

Prototype Formulation for Dry Washer

Auto Care Formulation Information

Dry Washer

Formulation reference: CW-140



AV09029

Description

This formulation exhibits the dual function of cleaning and adding shine to automotive metallic surfaces. XIAMETER® MEM-0039 Emulsion provides gloss and XIAMETER® OFS-1546 Silane ensures an excellent adherence factor, making it more resistant and shiny, and providing surface cleaning with no water.

Ingredient	Weight %	Trade Name/Supplier
1. Water	90.2	
2. Xanthan gum	0.5	<i>Keltrol</i> ® F/CP Kelco
3. XIAMETER MEM-0039	3.0	Dow Corning Corp.
4. Ethanol	3.0	
5. Sodium ricinoleate @ 35%	2.0	
6. XIAMETER OFS-1546 Silane	1.0	Dow Corning Corp.
7. Aluminum silicate 500 #	0.2	
8. Glutaraldehyde	0.1	

Procedure

- 1) Add ingredient 2 to ingredient 1 in the main vessel.
- 2) When completely dispersed, add ingredient 3 and stir for 10 minutes.
- 3) Add ingredients 4 and 5 and stir for 10 minutes.
- 4) Add ingredient 6 and stir for 10 minutes.
- 5) Add ingredient 7 and stir for 10 minutes.
- 6) Add ingredient 8 and stir for 10 minutes.

Typical Properties/Additional Information

Directions: Apply the final product with a soft cloth or cotton wool over dust or grime with circular movements, one small area at a time. Remove the product with a dry and clean cloth.

Do not apply this product over sand-covered surfaces.

The ethanol helps to clean the surface and ensures the compatibility of XIAMETER OFS-1546 Silane in the formulation. The ethanol may be replaced by isopropanol.

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The final formulation will have a pH between 8.0–9.5 because of the presence of the sodium ricinoleate. The xanthan gum helps to stabilize the formulation.

See Auto Care Raw Material Supplier Reference Sheet (Form No. 26-1064) for the role of the raw material and supplier information.

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