

Prototype Formulation for Shampoo

Auto Care Formulation Information

Shampoo for Use in Professional Detailing

Formulation reference: CW-150



AV09029

Description

This is an automotive shampoo that stands out among similar products because XIAMETER® OFS-1546 Silane, in addition to providing excellent grime and grease removal, imparts shine and adheres to metal surfaces.

Ingredient	Weight %	Trade Name/Supplier
1. Water	88.4	
2. Hydroxyethyl cellulose	0.4	Cellosize® QP 100 M H/ Union Carbide
3. Sulfonic acid	5.0	
4. Sodium hydroxide @ 50%	0.6	
5. Trietanolamine	0.5	
6. Cocamide DEA	1.0	
7. Dioctyl succinate @ 70%	2.0	
8. Isopropanol	1.0	
9. XIAMETER OFS-1546 Silane	1.0	Dow Corning Corp.
10. Glutaraldehyde	0.1	

pH at 10% dilution: 6.5–7.5

Procedure

- 1) Add ingredient 2 to ingredient 1 in the main vessel and stir until the solution is transparent and viscous.
- 2) Add ingredient 3 and stir for 10 minutes.
- 3) Slowly add ingredient 4 and stir for 10 minutes.
- 4) Add ingredients 5 and 6 and stir for 20 minutes.
- 5) Check the pH. It should be between 6.5 and 7.5. Use ingredients 3 or 4 to correct the pH, if necessary.
- 6) Add ingredient 7 and stir for 10 minutes.
- 7) Add ingredients 8 and 9 and stir for 15 minutes.
- 8) Add ingredient 10 and stir for 10 minutes more.

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Typical Properties/Additional Information

Directions: In a shaded area, apply a 10% dilution of the final product on a cold metallic surface with a soft sponge. The resulting foam should be left for 2 minutes and then removed with water. Dry the vehicle with a soft towel.

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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Contact Information

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