



Consumer Solutions

Prototype Formulation for Leather Care

Auto Care Formulation Information

Leather Conditioner Lotion

Formulation Reference: IP-540
Croda derived formulation



Description

This gel product uses a combination of materials to keep leather supple by replacing lost natural oils. The silicone wax helps to protect the leather, while the silicone fluid aids application.

Ingredient	Weight (%)	Trade Name/Supplier
Phase A		
1. DOWSIL™ 2-5088 Wax	2.0	Dow
2. SynCroWax ERL	2.0	Croda Ltd.
3. SynCroWax AWI	2.0	Croda Ltd.
4. Lanolin	2.0	
5. VOLPO L4	2.5	Croda Ltd.
6. XIAMETER™ PMX-200 Silicone Fluid, 350 cSt	1.0	Dow
7. Pine Oil	1.0	
8. Triethanolamine	0.5	
Phase B		
9. Water	37.0	
Phase C		
10. Acrylic thickener (2%) solution	15.0	
11. Water	30.0	
12. Isopropanol	5.0	

Procedure

1. Mix ingredients 1-8 in the main vessel and heat to 70°C.
2. Heat ingredient 9 to 70°C and add to Phase A under high shear.
3. Prepare a solution of acrylic thickener and water and add this to the main vessel.
4. Add isopropanol and mix for 5 minutes under high shear, then use low-speed mixer.

Typical Properties/Additional Information

- To increase the gloss or color: Replace XIAMETER™ PMX-200 Silicone Fluid, 350 cSt, with XIAMETER™ PMX-200 Silicone Fluid, 1,000 cSt.
- To reduce the gloss: Replace XIAMETER™ PMX-200 Silicone Fluid, 350 cSt, with XIAMETER™ PMX-200 Silicone Fluid, 100 cSt.
- To improve water repellency: Replace XIAMETER™ PMX-200 Silicone Fluid, 350 cSt, with DOWSIL™ RSN-9118 Resin.
- To give a drier film: Replace XIAMETER™ PMX-200 Silicone Fluid, 350 cSt, with DOWSIL™ 593 Fluid, DOWSIL™ 3527 Release Agent or DOWSIL™ RSN-9118 Resin.

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