

NON-SULFATE SALON PEARL SHAMPOO w/ EMULSIL® TSA-60

<u>FORMULATION:</u>	<u>% WT.</u>
A. Deionized Water	63.90
B. Jaguar C14S (Rhodia) <i>Guar Hydroxypropyl Trimonium Chloride</i>	0.10
C. Mirataine BET-C-30 (Rhodia) <i>Cocamidopropyl Betaine</i>	6.00
D. Amisoft CT-12 (Ajinomoto) <i>TEA-Cocoyl Glutamate</i>	4.00
E. Ethoquad O/12 PG (Akzo Nobel) <i>PEG-2 Oleammonium Chloride</i>	0.50
F. Jordapon CI-65 Flake (BASF) <i>Sodium Cocoyl Isethionate (and) Stearic Acid</i>	20.00
G. Alkamuls EGDS (Rhodia) <i>Glycol Distearate</i>	1.00
H. Emulsil® TSA-60 (Chemsil Silicones, Inc.) <i>Trimethylsilylamodimethicone (and) Laureth-4 (and) Laureth-23</i>	2.00
I. Hydantol 55KC (KCI Limited) <i>DMDM Hydantion</i>	0.40
J. Acrymer AQ-30 <i>Acrylates Copolymer</i>	2.00
K. TEA 99%	Q.S to pH 6.5
L. Fragrance (optional)	0.10

PROCEDURE:

1. Add ingredients A-E while heating to 80°C .
2. At 80°C add ingredients F and G; mix under strong agitation until product looks homogeneous.
3. Turn off heat after product is homogeneous – continue mixing.
4. At 50°C, add ingredients H and I. Continue mixing while product is cooling.
5. At 40°C, stop mixing and allow batch to sit 24 hours for pearl to develop.
6. After 24 hours, start mixing and add ingredients J, K, and L.

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