



Automatic Car Wash

<u>Ingredient</u>	<u>% By Weight</u>
Water	to 100 parts
Rhodacal A 246/L (40%)	15.0
Rhodapex ES	10.0
Alkamide DC 212 (100%)	4.0
Sodium chloride	4.0
Perfume/dye as required	

BLENDING PROCEDURE: While mixing add ingredients in listed order

TYPICAL PROPERTIES

Appearance:	Clear, liquid
% solids	~17%
pH:	9-10



Automatic Car Wash Concentrate

<u>Ingredient</u>	<u>% By Weight</u>
Water	to 100 parts
Rhodacal A 246/L (40%)	60.0
Alkamide DC 212 (100%)	2.0
Versene 100 (EDTA)	3.0
Perfume/dye as required	

BLENDING PROCEDURE: While mixing add ingredients in listed order

TYPICAL PROPERTIES

Appearance:	Clear, liquid
% solids	~30
pH:	10-11

*Dilute $\frac{1}{2}$ or $\frac{3}{4}$

CAR SHAMPOO FOAMY MANUAL OR BRUSH

Formula: HSC-TR4

INGREDIENTS	CHEMICAL DESCRIPTION	W/W% AS IS
Mirataine CBS	Cocamidopropyl hydroxy sultaine (Amphoteric surfactant)	10
Mirataine H2C HA	Sodium lauraminodipropionate (Amphoteric surfactant)	10
Rhodacal DS-10	DDBS (Anionic surfactant)	6
Rhodasurf DA-630	Ethoxylated isodecyl alcohol	5
Briquest 543-25S	Phosphonate	1.2
Water		67.8

Properties:

- **Mirataine CBS** and **Mirataine H2C HA** will provide high foam and hydrotropy benefits to this very effective vehicle detergent.
- Dyes can easily be added to the formula for cosmetic purposes.

Dosage:

- Dilute 10 x to 20 x in use



Home, Personal Care & Industrial Ingredients

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Car Wash Concentrate

<u>Ingredient</u>	<u>% By Weight</u>
Water	to 100 parts
Rhodapon LSB (28%)	85.7
Rhodamox LO (30%)	10.0
Citric acid	0.3
*Ethanol	4.0
Perfume/dye as required	

BLENDING PROCEDURE: While mixing add Rhodapon LSB and Rhodamox LO. Mix until uniform. Add citric acid. Mix until dissolved. Add ethanol.

TYPICAL PROPERTIES

Appearance: Clear, colorless, high viscosity liquid
pH: 8.4
Viscosity @ 25°C: 660 cps (RVT No. 3 Spindle)

*www.sigma-aldrich.com



Economy Car Wash Blend

<u>Ingredient</u>	<u>% By Weight</u>
Water	to 100 parts
Nansa SS-45/A NADDBSA (45%)	20.0
Rhodasurf LA7 (100%)	4.0
Perfume/dye as required	

BLENDING PROCEDURE: Charge water. While mixing slowly add Sodium Dodecylbenzene Sulfonate. Subsequently add Rhodasurf LA7. Blend until clear.

TYPICAL PROPERTIES

Appearance:	Clear, light amber liquid
pH:	9.0
Viscosity @ 25°C:	<25 cps (RVT No. 3 Spindle)



Nascar Car Wash Concentrate

<u>Ingredient</u>	<u>% By Weight</u>
Water	to 100 parts
Rhodacal SSA/A	25.95
Sodium hydroxide	6.98
Rhodapex P603 (59%)	15.75
Mirataine BET C-30 (30%)	6.3
Rhodamox LO (30%)	6.3

BLENDING PROCEDURE: Charge water. While mixing add Rhodacal SSA/A and mix until uniform. Slowly add sodium hydroxide. If needed adjust pH to 6.5-7 before any further additions. Allow material to cool to close to room temperature. Subsequently add remaining components in listed order ensuring homogeneity after each addition.

Dilution Procedure for 36% solids : To 21.7g of water add 78.3g of concentrate. Mix thoroughly until completely homogeneous

TYPICAL PROPERTIES

Appearance:	Hazy, high viscosity liquid
pH:	7.5-8
Viscosity @ 25°C:	~1240 cps (RVT No. 2 Spindle)
% solids	46%



Premium Car Wash Blend

<u>Ingredient</u>	<u>% By Weight</u>
Water	to 100 parts
Nansa SS-45/A NADDBSA (45%)	50.0
Rhodapex ES (30%)	8.0
Mirataine BET C-30 (30%)	7.0
Eltesol SX-40/AA (40%)	2.0
Perfume/dye as required	

BLENDING PROCEDURE: Charge water. While mixing slowly add Sodium Dodecylbenzene Sulfonate. Subsequently add Rhodapex ES and Mirataine BET C-30, with SX-40/AA. Blend until clear.

TYPICAL PROPERTIES

Appearance:	Clear, light amber liquid
pH:	9.0
Viscosity @ 25°C:	220 cps (RVT No. 3 Spindle)



Sheeting Car Wash Blend

General Description: Car wash blend base which provides cleaning and water sheeting benefits when rinsed away.

<u>Ingredient</u>	<u>% By Weight</u>
Water	to 100 parts
Rhodacal SS60/A (60%)	45.0
Rhodapex ES (30%)	8.0
Mirataine BET C-30 (30%)	7.0
Mirapol Surf-S 210	1.0
Perfume/dye as required	

BLENDING PROCEDURE: Charge water. While mixing slowly add Rhodacal (Sodium Dodecylbenzene Sulfonate) Subsequently add Rhodapex ES and Mirataine BET C-30 and Blend until clear. Add Mirapol Surf-S 210. Mix until homogeneous.

TYPICAL PROPERTIES

Appearance: Clear, light amber liquid
pH: 9.0
Viscosity @ 25°C: 220 cps (RVT No. 3 Spindle)

Features:

Water sheeting benefit which is sustained through numerous rinses
Fast drying
Spot and streak –free drying

Applications: Car wash blend is designed to be used as a dilutable car cleaner which is applied and rinsed away. Formulation effectively cleans while leaving behind a water sheeting benefit that translates to faster drying which is spot and streak-free. This benefit is sustained through numerous rinses.

Water Sheeting Benefit Unlike conventional car wash formulations, Rhodia's Sheeting Car Wash blend provides a water sheeting benefit to automobile surfaces which lasts through numerous rinses.

The graph below illustrates the superiority of Sheeting Car Wash Blend when compared to conventional car wash systems:

Water Sheeting Effect

