

# Hydration Blast

## Clear Hair Conditioner With Beads

#14246-2



Genecare® OSMS BA, Merquat™ 3330PR, and SilSense® A-21 provide the conditioning package for this formula. The Genecare® OSMS BA aids in overall hair and scalp health while the Merquat™ 3330PR provides excellent wet and dry combining properties. The SilSense® A-21 provides the benefits of a cationic conditioning silicone with an easy to formulate water soluble chemistry. To build the viscosity Tylose® HS 100,000 Yp2 was selected for its slip and long flow rheology. To gain suspension in this system, Carbopol® Aqua SF-3 was chosen as it won't impart much viscosity and allow for the Tylose® HS 100,000 Yp2 aesthetics and viscosity build to come through.

INCI	Trade Name	Function	Percent
Water			85.80
Betaine	Genecare® OSMS BA	Osmolyte	2.00
Propanediol	Zemea® Propanediol	Humectant	2.00
Hydroxyethylcellulose	Tylose® HS 100000 YP2	Thickener	1.00
Acrylates Copolymer	Carbopol® Aqua SF-3	Polymer	4.00
Water (and) Sodium Hydroxide	NaOH 25% Solution	Neutralizer	0.80
PEG-7 Amodimethicone	SilSense® A-21	Silicone	1.50
Polyquaternium-39	Merquat™ 3330PR	Polymer	2.00
Phenoxyethanol (and) Ethylhexylglycerin	TroyCare™ PE73	Preservative	0.85
Microcrystalline Wax, Ferric Ferrocyanide	Metabeads 28/60 Blue		0.50
			<b>100%</b>

## Mixing Instructions

Combine water and Genecare®, mixing thoroughly.

Add the Zemea® and Tylose®, mixing thoroughly after each addition.

Add 2-4 drops of Sodium Hydroxide solution and mix thoroughly (mixture should gel and turn clear).

Add the Carbopol® and mix thoroughly.

Neutralize the Sodium Hydroxide Solution.

Add remaining ingredients one at a time, mixing thoroughly after each addition.

pH: 6.29

Viscosity: 24,500cps RV #6 @ 10rpm

Appearance: Clear, thick, flowable gel with blue beads suspended throughout

