



## Jolly Hair – O/W Leave On Conditioner

A rich, bouncy gel, related to the presence of Aculyn™ 28 Polymer, that will make curly or unruly hair feel happy! Tames hard-to-harness hair, providing frizz control and long-lasting hold. **Dow Corning® MQ-1600 Flake Resin** confers excellent long-lasting benefits thanks to its film-forming properties. **Dow Corning® CE 8411 Smooth Plus Emulsion** imparts moisture and deep conditioning to hair. In parallel **Dow Corning® HMW 2220 Non-Ionic Emulsion** provides smoothness and a healthy look to the hair. The emulsion is stabilized with a self-emulsifying anionic base, **Ercawax GMS SE V** combined with **Ercawax S20 V/FD**, a non-ionic tension-active ingredient for O/W systems.

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PERSONAL CARE

	Trade name	INCI name	Supplier	%	
A	1	Water (Aqua)	Univar*	QS	
	2	Disodium EDTA	Univar*	0.10	
	3	Propylene Glycol	Univar*	3.00	
	4	Aculyn™ 28 Polymer	Acrylates/Beheneth-25 Methacrylate Copolymer	Dow Personal Care / Univar*	3.00
	5	Dow Corning® MQ 1600 Solid Resin	Trimethylsiloxysilicate	Dow Corning / Univar*	3.75
	6	Xiameter® PMX 200 Silicone Fluid 2 cs	Dimethicone	Xiameter / Univar*	6.25
B	7	Refined Traditional Hand-Crafted Shea Butter	Butyrospermum Parkii (Shea Butter)	The Savannah Fruits / Univar*	1.00
	8	Erca wax GMS SE V	Glyceryl Stearate	Erca / Univar*	1.50
	9	Erca wax S20 V/FD	Steareth-20	Erca / Univar*	1.50
C	10	Dow Corning® CE 8411 Smooth Plus Emulsion	Bis-Isopropylamino-PG-Propyl Dimethicone/ Bis-Isobutyl PEG- 14 Copolymer (and) Polysorbate 20 (and) Butyloctanol	Dow Corning / Univar*	3.00
	11	Dow Corning® HMW 2220 Non-Ionic Emulsion	Divinyldimethicone / Dimethicone Copolymer (and) C12-C13 Pareth-23 (and) C12 Pareth-3	Dow Corning / Univar*	2.00
D	12	AMP-Ultra™ PC 2000	Aminomethyl Propanol	Angus / Univar*	0.27
E	13	Kem Plus 2	Phenoxyethanol and Iodopropynyl Butylcarbamate	Akema / Univar*	0.50
	14	Amber & Rose SY149749	Parfum / Fragrance	Kao Fragrances / Univar*	0.20
	15	KPC MT50	Mixed Tocopherol, Soybean Oil	Kemin / Univar*	0.50

\* Please contact your regional Univar sales representative to ensure that mentioned products are distributed in your country.

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## Procedure (Hot Process)

1. Combine phase A ingredients in the order listed while gently stirring until homogeneous and heat to 75°C.
2. Dissolve Dow Corning® MQ 1600 Solid Resin in Xiameter® fluid from phase B while constantly stirring at room temperature until clear and homogeneous.
3. Add other ingredients from phase B in this pre-mix while gentle stirring until homogeneous and heat to 75°C (closed vessel).
4. Add phase A to B while stirring and cool down to 40°C.
5. Add in the order, emulsions of phase C to the blend while stirring until homogeneous.
6. Neutralize the formula with phase D until pH 6.5.
7. Add phase E while stirring until homogeneous.

## Stability

Stable at least 2 months at room temperature and 40°C (still ongoing).

## Comments

- Viscosity (spindle 6 ; 6 rpm; 1 min) = 123,000 cPs (74.0 %)
- pH = 6.84
- Opaque bouncy gel
- Formula issued from "Happy Hair" (formulation 02065) developed by our partner, Dow Corning.