



**CHEMYUNION**

## ANTI-POLLUTION SHAMPOO

CODE: CASH039A17

**Description:** The anti-pollution shampoo is formulated with mild surfactants, ideal for frizzy and pollution-sensitive hair. Its moisturizing formula contains Polluout, a plant active ingredient that combats the effects of pollution on hair and scalp from the first wash. Polluout reduces the adhesion of pollutant particles, improves combability, increases strength and maintains the shine of hair exposed to pollution. Preservative-free formula.

**How to use:** Apply desired amount to hair and massage.

Phase	Composition	INCI	% (w/w)	Function
A	Deionized Water	Aqua	48.10	Solvent
	Jaguar C-13S	Guar Hydroxypropyltrimonium Chloride	0.20	Hair conditioning
	Citric acid sol. 50%	Citric Acid	0.05	Buffering
	Disodium EDTA	Disodium EDTA	0.20	Chelating
	Polyquaternium-7	Polyquaternium-7	0.60	Hair conditioning
	Cocamidopropyl Betaine	Cocamidopropyl Betaine	4.00	Surfactant
	Sodium Laureth Sulfate	Sodium Laureth Sulfate	22.00	Surfactant
	<b>Sensactive L-30</b>	<b>Aqua (and) Sodium Lauroyl Sarcosinate</b>	<b>6.00</b>	<b>Surfactant</b>
	<b>Sensactive APG-LG</b>	<b>Lauryl Glucoside</b>	<b>6.00</b>	<b>Surfactant</b>
	<b>Chemylan L EX</b>	<b>Aqua (and) PEG-75 Lanolin</b>	<b>3.00</b>	<b>Emollient</b>
	PEG 90M	PEG 90M	2.00	Film forming
Pearlizing Base	Glycol Distearate	1.00	Opacifying	
B	Cocamide DEA	Cocamide DEA	4.00	Surfactant
	Glucamate DOE 120	PEG-120 Methyl Glucose Dioleate	0.30	Thickener
	Fragrance	Fragrance	0.30	Parfum
C	Citric acid sol. 50%	Citric Acid	pH = 6.0 - 7.0	Buffering
D	<b>Polluout®</b>	<b>Aqua (and) Galactoarabinan (and) Salvia Hispanica Seed Extract (and) Glycerin (and) Trehalose (and) Xylitol (and) Panthenol (and) Camellia Sinensis Leaf Extract (and) Sodium Phosphate</b>	<b>2.00</b>	<b>Active Ingredient</b>
	<b>Hebeatol® Plus</b>	<b>Xylityl Sesquicaprylate</b>	<b>0.25</b>	<b>Antimicrobial</b>

**Process:**

- Add the phase A components in the order indicated while stirring.
- Add phase B to phase A. Shake.
- Add phase C for pH adjustment.
- Add, one by one, the components of phase D. Shake.

**Physicochemical Characteristics**

Appearance	pH	Viscosity
Viscous liquid	6.0 - 7.0	n/a

**Chemunion Ingredients****Sensactive L-30**

Gentle anionic surfactant. Allows the preparation of transparent liquid formulations with high viscosity. Very rich, dense and abundant foam.

**Sensactive APG-LG**

Acts as an anionic surfactant. It allows the preparation of transparent liquid formulations with high viscosity. It offers very rich, dense and abundant foam. Sensactive APG-LG is suitable for use in shampoos, gels, liquid-soaps, cleansing foams and wet wipes.

**Chemylan L EX**

Non-ionic emollient with the same properties as lanolin, but soluble in water. Stabilizes foam. Also acts as co-emulsifier in cosmetic and pharmaceutical formulations.

**Polluout®**

Biopolymeric film-forming active that reduces the adherence of pollution particles on the hair from the synergistic action of a complex of plant polysaccharides associated with panthenol, xylitol and green tea. Offers immediate protection against photodegradation, providing strong, bright and malleable hair fiber and a healthy scalp.

**Hebeatol® Plus**

Functional ester of xylitol with antimicrobial property. Helps to reduce or eliminate controversial preservatives. Offers restoration properties of skin. Compatible with polymeric systems. Ideal for hair and skin care formulas.

The information contained herein is based on data that we believe to be reliable.

We recommend that any application be extensively tested so that you can independently conclude about the satisfactory performance of our products before using them commercially. Suggestions for use should not be construed as inducing the infringement of any particular patent.