

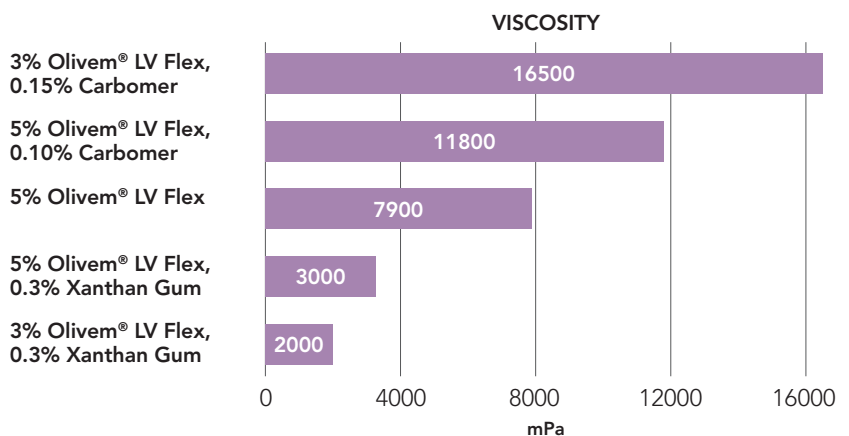
OLIVEM® LV FLEX

FRESH, LIGHT FEEL FOR A RANGE OF APPLICATIONS

With decades of experience in the skin care market, Hallstar knows how consumer demands are always evolving, and what that means for the creation of raw materials. Today's formulators are looking for versatile ingredients that can be used for a variety of final products with different sensorial and performance properties.

Hallstar developed its new emulsifying system, Olivem® LV Flex, with this challenge in mind. While the robust Olivem® LV Flex is compatible with many oils and rheology modifiers, and supports traditional oil-in-water emulsions, its self-emulsifying properties also enable the formation of oil-free water gels. As a result, it can be used in very light, hyperfluid, sprayable emulsions.

With a range of applications — from rich formulations to light serums to water-based sprays — Olivem® LV Flex offers the flexibility to formulate and achieve exactly the solution your customers desire.



Find out how Olivem® LV Flex can enhance your next product formulation at www.hallstar.com.

LET'S WORK WONDERS®

Sprayable Lenitive Lotion

When skin needs an immediate intervention, this silky, fast-acting lotion provides soothing comfort. It is non-irritating and rapidly absorbed.



Phase	INCI Name [INN/USAN] (Other Information)	Trade Name	% Wt	Function
A	Water (Aqua) (deionized)		up to 100	Volatile Carrier
	Glycerin		3.00	Humectant
	Betaine		2.00	Active Ingredient
	Bentonite		2.50	Thickener (Aqueous)
	Xanthan Gum (standard grade)		0.15	Thickener (Aqueous)
B	PEG-8 Stearate, Glyceryl Stearate, Cetearyl Alcohol, Sorbitan Oleate	Olivem® LV Flex	3.50	Emulsifier/Liquid Crystal Maker
	Helianthus Annuus (Sunflower) Seed Oil	Biochemica® Sunflower Oil Ref	2.50	Emollient
	Caprylic/Capric Triglyceride		2.50	Emollient
	BHT		0.10	Antioxidant Agent
C	Dimethicone		1.00	Silicone Oil
D	Olea Europaea (Olive) Leaf Extract, Water	Eurol® BT	0.10	Multifunctional Active Ingredient
E	Preservative		a.n.	Preservative

Crystal Nourishing Hair Therapy

This ultra-light hair moisturizer is perfect for damaged and dry hair. Liquid crystal technology, conditioners and nutritive ingredients help to recover the hair's health and radiance.



Phase	INCI Name [INN/USAN] (Other Information)	Trade Name	% Wt	Function
A	Water (Aqua) (deionized)		up to 100	Volatile Carrier
	Glycerin		1.00	Humectant
B	Behentrimonium Chloride		0.75	Conditioning Agent
C	PEG-8 Stearate, Glyceryl Stearate, Cetearyl Alcohol, Sorbitan Oleate	Olivem® LV Flex	2.50	Emulsifier/Liquid Crystal Maker
	Paraffinum Liquidum		1.00	Lubricant
D	Cyclopentasiloxane, Trimethylsiloxysilicate		1.00	Hair Conditioning Agent
	Cyclopentasiloxane, Dimethiconol		1.50	Hair Conditioning Agent
E	Dimethylacrylamide/Ethyltrimonium Chloride Methacrylate Copolymer, Propylene Glycol Dicaprylate/ Dicaprate, PPG-1 Trideceth-6, C10-11 Isoparaffin		1.00	Thickener (Aqueous)/ Emulsifier
F	Arginine		0.40	Conditioning Agent
	Lactic Acid (80%)		0.40	Buffering Agent
	Water (Aqua) (deionized)		9.20	Volatile Carrier
G	Preservative		a.n.	Preservative
H	Fragrance		a.n.	Fragrance (Parfum)