



IOI OLEOCHEMICAL

PERSONAL CARE

TECHNICAL DATA SHEET

SOFTIGEN[®] 701 ECO

INCI: Glyceryl Ricinoleate



- SKIN CONDITIONING
- SKIN-PROTECTIVE AGENT
- MOISTURISING



DESCRIPTION

SOFTIGEN® 701 ECO is a non-ionic, polar multifunctional ingredient that is used as refatting agent in rinse-off applications and emollient with improved gliding in leave-on products and color cosmetics. It is well tolerated by skin and mucosa. It is 100% natural, vegan, halal, palm oil/palm kernel oil free and manufactured exclusively in Germany.

The partial glyceride is produced by esterification of plant-derived glycerol with castor oil. SOFTIGEN® 701 ECO is a yellowish to amber-colored, pasty to liquid product with a characteristic odor that turns into a clear liquid of oily consistency with a viscosity of approx. 500 – 600 mPas at 35°C.

To avoid oxidation during storage, SOFTIGEN® 701 ECO contains mixed vegetable tocopherols.

APPLICATION

SOFTIGEN® 701 ECO is used in skin care formulations as an emollient to improve the skin-protective properties. The availability of the free hydroxyl groups of ricinoleic acid and the surface activity as a partial glyceride make SOFTIGEN® 701 ECO an effective skin-protective agent.

<input checked="" type="checkbox"/> Skin Care	<input checked="" type="checkbox"/> Body Care	<input checked="" type="checkbox"/> Sun Care	<input checked="" type="checkbox"/> Color Cosmetics
<input type="checkbox"/> Baby Care	<input checked="" type="checkbox"/> Hair Care	<input checked="" type="checkbox"/> Bath Care	<input type="checkbox"/> Wet Wipes
<input checked="" type="checkbox"/> Self-Tanning	<input checked="" type="checkbox"/> Beard Care	<input type="checkbox"/> Deodorants	<input checked="" type="checkbox"/> Intimate Hygiene

SOFTIGEN® 701 ECO is soluble in all fats and oils and dispersible in water.

FORMULATION HINTS

- Recommended concentration of **SOFTIGEN® 701 ECO**:
 - O/W emulsions: 0.5 – 4%
 - W/O emulsions: 1 – 3%
 - Refatting and conditioning agent: 0.5 - 1%
- Applicable for cold and hot processes
- Add SOFTIGEN® 701 ECO to the oil phase or disperse it in the water phase
- Recommended pH value: pH 4.0 – 7.5



FORMULATION GUIDE

INSTA-MOIST LIP BALM NO. 843

Be insta-ready with this Insta-Moist Lip Balm. Instantly softened, well-moisturized lips and a hint of color - your followers will see it and you will feel it! The special balm sensory profile is achieved due to our consistency agents SOFTISAN® 154 and DYNASAN® 118 – providing consistency and structure without a drag or waxy feel. The combination of several vegetable oils with MIGLYOL® OE leads to reduced tackiness, WITARIX® MCT C8 makes your lips super smooth and SOFTIGEN®PURA reduces the transepidermal water loss significantly, whereas SOFTISAN® conditionHAIR conditions and moisturizes your lips. Color + care in an instant. Selfies make more fun when you feel good!

	Trade Name	INCI	%
PHASE A	WITARIX® MCT C8	Tricaprylin	15.0
	MIGLYOL® OE	Oleyl Erucate	12.0
	SOFTIGEN®PURA	Olus Oil (EU)/ Vegetable Oil (US)	8.0
	Castor Oil	Ricinus Communis (Castor) Seed Oil	26.0
	Sweet Almond Oil	Prunus Amygdalus Dulcis (Sweet Almond) Oil	9.0
	Jjoba Oil	Simmondsia Chinensis (Jjoba) Seed Oil	5.0
	SOFTISAN® 154	Hydrogenated Palm Oil	10.0
	DYNASAN® 118	Tristearin	3.0
	6642 Carnauba Wax Organic	Copernicia Cerifera (Carnauba) Cera	2.0
	2039L Candelilla Wax	Euphorbia Cerifera (Candelilla) Cera	1.0
	IMWITOR® 600	Polyglyceryl-3 Polyricinoleate	2.0
	SOFTIGEN® 701 ECO	Glyceryl Ricinoleate (and) Tocopherol	5.0
	SOFTISAN® conditionHAIR	PCA Glyceryl Oleate	1.0
	Tocopherol	Tocopherol	0.5
PHASE B	C91-6133 Intenza® Rubis Velvet	Synthetic Fluorphlogopite (and) CI 15850	0.1
	Raspberry Lips 6800026	Parfum (EU)/ Fragrance (US)	0.4

PREPARATION:

1. Heat phase A up to 80 - 85°C while stirring.
2. Cool down to 70°C while stirring and add phase B. Stir until homogenous.
3. Fill into container and allow to cool down.

SUPPLIERS:

IOI Oleo: DYNASAN®, IMWITOR®, MIGLYOL®, SOFTIGEN®, SOFTISAN®, WITARIX®
 Kahlwax: Carnauba Wax, Candelilla Wax
 SunChemical: Intenza®
 Bell: Parfum



PINK PERFECTION LIPSTICK NO. 829

WITARIX® MCT C8 leads to a rich and cared lip feel during and to a smooth and silky feel after application. MIGLYOL® OE enables high spreadability and the non-sticky character of the lipstick. SOFTISAN® conditionHAIR is a natural skin-conditioning agent, locking moisture inside the stratum corneum. SOFTIGEN® 701 ECO leads to a better glideability of the lipstick. SOFTISAN® PG2 C10 enhances the glossiness of the lipstick. SOFTISAN® 649 enhances long-lasting properties and water resistance of the lipstick.

	Trade Name	INCI	%
PHASE A1	WITARIX® MCT C8	Tricaprylin	21.0
	MIGLYOL® OE	Oleyl Erucate	16.5
	Castor Oil	Ricinus Communis (Castor) Seed Oil	19.5
	Ecoperse White W-47051	CI 77891 (and) Octyldodecyl Oleate	10.0
	SunCroma D&C Red 22 Al Lk	CI 45380	10.0
PHASE A	SOFTISAN® conditionHAIR	PCA Glyceryl Oleate	1.0
	SOFTIGEN® 701 ECO	Glyceryl Ricinoleate (and) Tocopherol	2.0
	SOFTISAN® PG2 C10	Polyglyceryl-2 Caprate	2.0
	SOFTISAN® 649	Bis-Diglyceryl Polyacyladipate-2	2.0
	Tocopherol	Tocopherol	0.5
	6642 Carnauba Wax	Copernicia Cerifera (Carnauba) Cera	7.5
	2039L Candelilla Wax	Euphorbia Cerifera (Candelilla) Cera	7.5
PHASE B	0813954 Kirsche saftig	Parfum (EU)/Fragrance (US)	0.5

PREPARATION:

1. Mix phase A1 (If possible use a three roll mill to distribute the pigments homogeneously).
2. Add phase A and melt A1/A to approx. 80/85°C.
3. Add phase B right before filling the lipsticks into the molds.
4. Let allow to cool down (30 min @ refrigerator), then remove the sticks from the molds.

SUPPLIERS:

IOI Oleo: MIGLYOL®, SOFTIGEN®, SOFTISAN®, WITARIX®
 SanDream: Ecoperse
 SunChemical: SunCroma
 KahlWax: Carnauba Wax, Candelilla Wax
 Bell: Parfum



HANDLING AND SHELF LIFE

The shelf life for SOFTIGEN® 701 ECO is at least twelve months if the product is stored below 25°C in a dry place in original, tightly closed containers, protected from light and moisture.

PACKAGING UNITS

Multitainer with 25 kg, 600 kg on CP3 pallet
Drum with 190 kg, 760 kg on CP3 pallet

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Raw material approved by ECOCERT GREENLIFE, compliant with the COSMOS standard

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