

# NATURAL PRODUCT LINE



**The American  
Chemical Company®**

 **Custom Synthesis**

 A Syntha Group Company



Continuing our dedication to supporting customers and their formulation needs, Ethox Chemicals and Custom Synthesis Natural Product Line utilizes the ISO 16128 certification method to calculate the Naturally Derived content our products. Naturally Derived Ingredients originate from natural ingredients which have undergone allowed chemical or biological reactions, and have a Natural Origin Index\*\* based on their natural content. The ISO 16128 method provides our industry with a global standard for calculating natural content of ingredients and products to bring transparency to the consumer.

PRODUCT	INCI NAME	DESCRIPTION	NATURAL ORIGIN INDEX
C'ESTER MCT	CAPRIC/CAPRYLIC TRIGLYCERIDE	Emollient, quickly imparts conditioning to the skin/hair, and provides a lightweight and non-greasy barrier. As a dispersing agent, it helps enhance the delivery of vitamins, pigments and other active ingredients. Clear, odorless.	1
C'ESTER CP*	CETYL PALMITATE	Waxy, lubricative, imparts body to formulations, binds powders to compact, provides the skin a soft and smooth appearance	1
ETHOX CARE® 5213	COCOGLYCERIDE	Liquid moisturizer, emollient and conditioning agent comprised of mono, di, and triglycerides derived from coconut oil.	1
ETHOX CARE® COCO GLYC	COCOGLYCERIDE	Emollient, medium spreading with high polarity. Good emulsifier. Compatible with sunscreen filters.	1
ETHOX CARE® 4075	GLYCERYL ISOSTEARATE (and) CAPRYLIC/CAPRIC GLYCERIDES	Viscosity modifier for aqueous surfactant and non-aqueous systems. Medium spreading emollient. In non-aqueous systems used to create soft to firm solid sticks with clarity ranging from clear to opaque.	1
ETHOX CARE® GMS PURE	GLYCERYL STEARATE	Thickening agent, emulsifier, anti-sticking agent, dispersing agent, solvent, greasing agent, and perfume diluent	1
ETHOX CARE® GTO	GLYCERYL TRIOCTONOATE	Emollient with high polarity and very good solubilizing capacity for crystalline UV filters.	1
C'ESTER PLPR*	POLYLACTATE/RICINOLEATE	Excellent film former with moisture barrier properties. Cold process. Withstands 500°F without degradation. Imparts smoothing, and hold to hair styling products.	1
C'ESTER PLPHS*	LACTIC ACID/HYDROXYSTEARIC ACID COPOLYMER	Excellent film former with moisture barrier properties. Cold process. Pigment dispersant.	1
ETHOX CARE® NATURAL PEARL	LAURYL GLUCOSIDE (and) STEARYL CITRATE	Pearlizing agent and emulsifier. Cold Process	1
C'ESTER PHSA-6*	POLYHYDROXYSTEARIC ACID	All-natural polymeric surfactant, emulsifier, film-former, emollient and pigment dispersant.	1
ETHOX CARE® SL	SORBITAN LAURATE	Emulsifier for O/W. HLB of 8.6	1
ETHOX CARE® SO	SORBITAN OLEATE	Emulsifier for O/W. HLB of 4.3, pigment dispersing aid, thickener, lubricating agent, and emollient	1
ETHOX CARE® SS	SORBITAN STEARATE	Emulsifier for O/W. HLB of 4.7 Imparts stability in product.	1
C'ESTER PB-4P*	PENTAERYTHRITRYL TETRABEHENATE	Emollient that gives matte finish, long lasting hold while providing conditioning.	0.91
ETHOX CARE® BTMS-25	BEHENTRIMONIUM METHOSULFATE (and) CETEARYL ALCOHOL	High efficiency, cationic self-emulsifying wax and conditioner.	0.86
ETHOX CARE® 4414	DITRIMETHYLOLPROPANE TETRASTEARATE	Film forming wax that thickens oils, provides moisture barrier properties. Reduces brittleness in color cosmetic formulations.	0.82
C'ESTER P3DS*	PEG-3 DISTEARATE	Pearlizing agent and emulsifier	0.81
ETHOX CARE® HCO-5	PEG-5 HYDROGENATED CASTOR OIL	Emulsifier and emollient	0.81
ETHOX CARE® CO-5	PEG-5 CASTOR OIL	Emulsifier and emollient. HLB of 4.0	0.80
C'ESTER BO	BUTYL OLEATE	Emollient and low molecular ester with good water solubility.	0.79
C'ESTER NBS VPP C'ESTER KBS (kosher)	BUTYL STEARATE - Vegetable & Kosher	A lubricant on the skin's surface providing a soft and smooth appearance. It forms a thin, non-greasy, hydrophobic film when applied to the skin or lips. It decreases the thickness of lipsticks making them glide easier.	0.79

PRODUCT	INCI NAME	DESCRIPTION	NATURAL ORIGIN INDEX
ETHOXCARE® SOYSPERSE	BIS-HYDROXYETHYL AMINOETHYL MALEATED SOYBEAN OIL	Pigment dispersant allowing for higher loading of pigments without viscosity build.	0.75
ETHOXCARE® OA-2	OLETH-2	Emulsifier for W/O. HLB of 4.9. Wetting agent.	0.75
ETHOXCARE® OAM-2	PEG-2 OLEAMINE	Emulsifier. Suitable for alkaline emulsions. Acts as a cationic surfactant.	0.75
ETHOXCARE® SAM-2	PEG-2 STEARAMINE	Emulsifier and conditioner.	0.75
ETHOXCARE® SA-2	STEARETH-2	Emulsifier for W/O. HLB of 4.9	0.75
ETHOXCARE® LAN*	PEG-5 DITRIMETHYLOLPROPANE TETRAHYDROXYSTEARATE	Lanoline alternative. Film former. Adds gloss and shine to hair in pomades.	0.73
ETHOXCARE® CA-2	CETETH-2	Emulsifier for W/O. HLB of 5.3 Stabilizer, thickener	0.72
ETHOXCARE® PS-81	POLYSORBATE 81	Emulsifier for O/W. HLB of 10.0 Solubilizer	0.72
ETHOXCARE® P2-MP	PPG-2 MYRISTYL ETHER PROPIONATE	Emollient and solvent.	0.71
C'ESTER EHO	ETHYLHEXYL OLEATE	Emollient, medium spreading with high polarity. Good emulsifier. Compatible with sunscreen.	0.68
C'ESTER EHP	ETHYLHEXYL PALMITATE	Emollient, fast spreading with a dry feel and solubilizer .	0.68
C'ESTER EHS	ETHYLHEXYL STEARATE	Emollient, fast spreading with a dry feel and solubilizer .	0.68
ETHOXCARE® LA-2	LAURETH-2	Emulsifier for O/W. HLB of 6.4 Foam booster, opacifier, solubilizer.	0.68
ETHOXCARE® CAM-2	PEG-2 COCAMINE	Emulsifier for O/W. HLB of 6.0 Non-ionic suitable for alkaline emulsions	0.68
C'ESTER PTIS*	PENTAERYTHRITYL TETRAISOSTEARATE	Emollient - slow spreading, Adds gloss and shine.	0.68
ETHOXCARE® PS-21	POLYSORBATE 21	Emulsifier for O/W. HLB of 16.8 Solubilizer	0.68
C'ESTER V*	DECYL OLEATE	Emollient, fast spreading, light non-oily velvety feel to the skin, creating a barrier for the skin, reducing the tackiness of other heavy oils in a formulation.	0.67
ETHOCARE® CSA-3	CETEARETH-3	Emulsifier for O/W. HLB of 6.9	0.66
ETHOXCARE® EMULSIFYING WAX*	CETEARYL ALCOHOL (and) POLYSORBATE 60	Emulsifier for O/W.	0.65
ETHOXCARE® DL-5	PEG-5 DILAURATE	Emulsifier for O/W. HLB of 6.0 Solubilizer and non-ionic surfactant.	0.64
ETHOXCARE® DO-8	PEG-8 DIOLEATE	Emulsifier for O/W. HLB of 8.0 Emollient, viscosity builder, and electrolyte tolerant.	0.62
ETHOXCARE® CSA-4	CETEARETH-4	Emulsifier for O/W. HLB of 8	0.59
ETHOXCARE® GPHS	GLYCERETH-18 POLYHYDROXYSTEARATE	Emulsifier for W/O. Cold process. Inverse emulsifier low pH stability. 1% use level.	0.59
ETHOXCARE® HCO-16	PEG-16 HYDROGENATED CASTOR OIL	Emulsifier for O/W. HLB of 8.6	0.59
ETHOXCARE® 4216	CETEARYL ALCOHOL (and) CETEARETH-20	Emulsifier, non ionic, forms stable emulsions in extremes pH ranges and electrolyte tolerant.	0.58
ETHOXCARE® LA-3	LAURETH-3	Emulsifier for O/W. HLB of 8.0 Foam booster, opacifier.	0.58
ETHOXCARE® MO-5	PEG-5 OLEATE	Emulsifier for O/W. HLB of 8.1 Electrolyte tolerant.	0.58
ETHOXCARE® CO-16	PEG-16 CASTOR OIL	Emulsifier for O/W. HLB of 8.6	0.57
ETHOXCARE® OAM-5	PEG-5 OLEAMINE	Emulsifier for O/W. HLB of 9.8 Viscosity booster. Good for alkaline emulsions.	0.57
ETHOXCARE® OA-5	OLETH-5	Emulsifier for O/W. HLB of 9.2	0.55
ETHOXCARE® DL-9	PEG-8 DILAURATE	Emulsifier for O/W.	0.55
ETHOXCARE® P3-ME	PPG-3 MYRISTYL ETHER	Emollient, solubilizer, surfactant. Gives lubricity with a light feel.	0.55
ETHOXCARE® PS-85	POLYSORBATE 85	Emulsifier fro O/W. HLB of 11	0.54

\* MOQ greater than one drum

\*\* Natural Origin Index represents the fraction of naturally derived content. A Natural Origin Index of "1" is 100% naturally derived.

RSPO Mass Balance certified available for ETHOXCARE Palm Based Products

PRODUCT	INCI NAME	DESCRIPTION	NATURAL ORIGIN INDEX
ETHOX CARE® 165V	GLYCERYL STEARATE (and) PEG-100 STEARATE	Emulsifier for O/W. HLB of 11. Very stable in broad pH ranges, and strong electrolyte tolerance. Supports high heat and freeze thaw stability.	0.53
ETHOX CARE® LA-4	LAURETH-4	Emulsifier for O/W. HLB of 9.4 Solubilizer for fragrances.	0.51



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For more information about our products  
or capabilities, please contact  
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