



Personal Care Solutions

Skin Care Product Application Overview

When it comes to developing skin care products that help protect, moisturize and refresh with improved sensory appeal, Dow can help you meet and exceed your customers' expectations.

Developing lotions, creams, gels and other skin care products that differentiate you from your competition is made easier with this product application guide. Use it to help select the ideal conditioning polymer, emollient, sensory enhancer, rheology modifier or UV booster for your application.



Select the right product and technology for your application.

AHA Lotions,
Creams

Conditioning Polymers	Product/INCI Name	
	SoftCAT™ SK-MH Polymer (Polyquaternium-67)	
	UCARE™ Polymer JR-125 (Polyquaternium-10)	
Emollients	Product/INCI Name	
<p>UCON™ Fluids are moderate-viscosity fluids that provide emolliency, solvency and slip in skin lotions and eye makeup removers. At the same time, they can offer a number of other benefits, such as the ability to efficiently wet pigments and generate heat upon application. UCON™ Fluids are homopolymers or copolymers of ethylene oxide and propylene oxide.</p>	UCON™ Fluid AP (PPG-14 Butyl Ether)	
	UCON™ Fluid 75-H-450 (PEG/PPG-17/6 Copolymer)	
	UCON™ Fluid LB-1145 (PPG-33 Butyl Ether)	
	UCON™ Fluid LB-1715 (PPG-40 Butyl Ether)	
Foam Enhancers	Product/INCI Name	
<p>METHOCEL™ Cellulose Ethers and POLYOX™ Water Soluble Resins help provide a rich, creamy, luxurious feel to moisturizing gels and lotions.</p>	METHOCEL™ 40-0202 Cellulose Ether (Hydroxypropyl Methylcellulose)	
	POLYOX™ WSR N-750 Water Soluble Resin (PEG-7M)	
Rheology Modifiers, Thickeners and Texturizers	Product/INCI Name	
<p>Our broad portfolio of rheology modifiers and thickeners can help you enhance texture, provide suspension, adjust flow properties and stabilize and thicken formulations in a variety of skin care products, such as lotions, gels and creams. We offer a variety of product chemistries to meet your specific formulation needs, with acrylic-, cellulosic- and polyurethane-based rheology modifiers and thickeners.</p>	ACULYN™ 22 Rheology Modifier (Acrylates/Steareth-20 Methacrylate Copolymer)	
	ACULYN™ 28 Rheology Modifier (Acrylates/Beheneth-25 Methacrylate Copolymer)	
	ACULYN™ 38 Rheology Modifier (Acrylates/Vinyl Neodecanoate Crosspolymer)	
	ACULYN™ 44 Rheology Modifier (PEG-150/Decyl Alcohol/SMDI Copolymer)	•
	ACULYN™ 46N Rheology Modifier (PEG-150/Stearyl Alcohol/SMDI Copolymer)	•
	ACULYN™ 88 Rheology Modifier (Acrylates/Steareth-20 Methacrylate Crosspolymer)	
	CELLOSIZE™ PCG-10 Hydroxyethyl Cellulose (Hydroxyethylcellulose)	•
	METHOCEL™ 40-0101 Cellulose Ether (Hydroxypropyl Methylcellulose)	•
	METHOCEL™ 40-0202 Cellulose Ether (Hydroxypropyl Methylcellulose)	•
	METHOCEL™ K15M Cellulose Ether (Hydroxypropyl Methylcellulose)	•
	ETHOCEL Ethylcellulose Polymer (Ethyl Cellulose)	
Sensory Enhancers	Product/INCI Name	
<p>Enhance consumers' sensory experience with EcoSmooth™ Delight Polymer designed to bring a luxury touch, non-tacky and non-oily cushion feel.</p> <p>POLYOX™ Polymers impart dragginess reduction and deliver a smooth skin after feel.</p>	EcoSmooth™ Delight Polymer (C14~22 Alkane (and) Ethylene/Octene Copolymer)	
	POLYOX™ WSR 205 & N-3000 Polymer (PEG-14M)	•
	POLYOX™ WSR N-60K Polymer (PEG-45M)	
	POLYOX™ WSR N-750 Polymer (PEG-7M)	
Surfactants	Product/INCI Name	
<p>EcoSense™ Surfactants are a family of plant-based, readily biodegradable surfactants for use in a variety of personal care applications. They are preservative-free and compatible with a broad range of ingredients commonly used in personal care formulations.</p>	EcoSense™ 1200 Surfactant (Lauryl Glucoside)	•
	EcoSense™ 919 Surfactant (Coco-Glucoside)	•
	EcoSense™ 3000 Surfactant (Decyl Glucoside)	•
UV Boosters	Product/INCI Name	
<p>We offer a wide range of products and technologies to help you add UV protection to your skin care formulations. SolTerra™ Boost increases UV protection through improved particle dispersion of inorganic UV filters; SunSpheres™ SPF Boosters provide light scattering to improve the UV absorption of organic and inorganic UV filters.</p>	SolTerra™ Boost (Methylcellulose)	•
	SunSpheres™ PGL and LCG SPF Booster (Styrene/Acrylates Copolymer)	
	SunSpheres™ Powder SPF Booster (Styrene/Acrylates Copolymer)	
Water/Rub-off Resistance	Product/INCI Name	
<p>EPITEX™ 66 Polymer provides excellent sweat and water resistance with improved feel on skin in sunscreen and color cosmetic products.</p>	EPITEX™ 66 Polymer (Acrylates Copolymer)	

Aromatherapy, Massage Oils	Creams, Medicated (Anti-aging, Anti-acne)	Creams, Moisturizing	Daily Wear UV Protection	Lip Balms, Lipsticks	Makeup, Eye	Makeup, Foundations	Skin, Gels (Moisturizing, Anti-aging, Anti-wrinkle Aids)	Skin Lotions	Body Oils
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