



Consumer Solutions

Skin Care Products That Do More

A Catalog of Solutions



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Trends evolve fast, but Dow can help you stay ahead with ingredients and expertise for formulating next-generation skin care products that meet the demands of your customers.

With Dow's latest ingredient solutions, you can create products that spread more easily for smoother, almost effortless application, with even pigment dispersion – products that retain their features and last longer than others currently on the market. Innovative new technologies from Dow also can help you create novel textures, minimize the tacky or greasy feel of other ingredients and formulate light products exhibiting a silky feel – both during and after application.

To learn more about a product listed within this catalog, contact your Dow representative.

Innovative Solutions for a Wide Range of Applications

- Body Care
- Facial Care
- Color Cosmetics
- Sun Care
- Men's Care



EMOLLIENTS\SKIN CONDITIONING

Product Type	Product Name	INCI Name	Product Form	Viscosity (cP)	Application/Benefit
Polyethylene Glycol	POLYOX™ WSR-N-10	PEG-2M	Water-Soluble Powder	12-50 (5% Aqueous Solution)	Provides slip and lubricious feel while boosting foam. Improves spreadability for cleansing, shaving, skin care and sun care products.
	POLYOX™ WSR-N-80	PEG-5M	Water-Soluble Powder	65-115 (5% Aqueous Solution)	
	POLYOX™ WSR-N-750	PEG-7M	Water-Soluble Powder	600-1,000 (5% Aqueous Solution)	
	POLYOX™ WSR-205	PEG-14M	Water-Soluble Powder	4,500-88,000 (5% Aqueous Solution)	
	POLYOX™ WSR-N-3000	PEG-14M	Water-Soluble Powder	2,250-4,500 (5% Aqueous Solution)	
	POLYOX™ WSR-N-12K	PEG-23M	Water-Soluble Powder	400-800 (2% Aqueous Solution)	
	POLYOX™ WSR-N-60K	PEG-45M	Water-Soluble Powder	200-400 (2% Aqueous Solution)	
	POLYOX™ WSR-301	PEG-90M	Water-Soluble Powder	1,650-5,500 (1% Aqueous Solution)	
Polypropylene Glycol	UCON™ Fluid AP Low Odor	PPG-14 Butyl Ether	Liquid	100	Provides emolliency, solvency and slip in skin lotions, eye makeup removers, antiperspirants, and deodorants.
	UCON™ LB-1715	PPG-40 Butyl Ether	Liquid	320-350	Provides emolliency, solvency and slip in skin lotions, eye makeup removers.
	UCON™ 50-HB-660	PPG-12-Buteth-16	Liquid	120-130	Provides emolliency, solvency and slip in body wash, skin lotions and toners, and daily UV wear products.
	UCON™ 50-HB-3520	PPG-28-Buteth-35	Liquid	650-700	
	UCON™ 75-H-450	PEG/PPG-17/6 Copolymer	Liquid	84-94	Provides emolliency, solvency and slip in facial toners and body wash applications.
Polyquaternium	UCARE™ Polymer JR-30M	Polyquaternium-10	Powder	30,000 (2% Aqueous Solution)	Dedicated to skin conditioning and deposition of caring ingredients (e.g., natural oils, silicones, etc.).

These are typical properties, not to be construed as specifications.

FORMULATION AIDS

Product Name	INCI Name	Active (%)	Carrier	HLB (Calculated)	Applications
DOWSIL™ 5225C Formulation Aid	Cyclopentasiloxane (and) PEG/PPG 18/18 Dimethicone	10.5	XIAMETER™ PMX-0245 Fluid	2	Creates medium to high viscosity W/Si emulsions. Can stabilize high level of glycols, such as glycerine and aluminium salts, in the water phase. Cold process.
DOWSIL™ ES-5226 DM Formulation Aid	Dimethicone (and) PEG/PPG-18/18 Dimethicone	37.5	XIAMETER™ PMX-200 Fluid, 2 cSt	2	
DOWSIL™ ES-5227 DM Formulation Aid	Dimethicone (and) PEG/PPG-18/18 Dimethicone	25	XIAMETER™ PMX-200 Fluid, 5 cSt	2	
DOWSIL™ BY-11-030	Cyclopentasiloxane (and) PEG/PPG-19/19 Dimethicone	50	XIAMETER™ PMX-0245 Fluid	3.6	Creates medium to high viscosity W/Si emulsions. Can stabilize high level of glycols, such as glycerine and ethanol. Can prepare unique gels with volatile oils. Cold process.
DOWSIL™ BY-25-337	PEG/PPG-19/19 Dimethicone (and) C13-16 Isoparaffin (and) C10-13 Isoparaffin	50	Isoparaffin	N/A	
DOWSIL™ ES-5612 Formulation Aid	PEG-10 Dimethicone	100	None	4	Creates low to medium viscosity W/O emulsions. Emulsifies a broad range of silicone and organic phases. Easy to use. Useful as a dispersant for nano TiO ₂ or ZnO powders into silicone fluids. Low odor.
DOWSIL™ 5200 Formulation Aid	Lauryl PEG/PPG-18/18 Methicone	100	None	2.2	Suitable for W/O and W/O+Si emulsions of low to medium polarity oil phase (e.g. mineral oil, ester oil) thanks to the presence of the alkyl chain. Cold process.
DOWSIL™ ES-5300 Formulation Aid	Lauryl PEG-10 Tris (Trimethylsiloxy) Silylethyl Dimethicone	100	None	3	Creates low to high viscosity W/O emulsions with a high oil phase flexibility and high emulsification capability combined with light sensory. Dispersing aid for micronized powder and pigments. Low odor.
DOWSIL™ ES-5600 Silicone Glycerol Emulsifier	Cetyl Diglyceryl Tris (Trimethylsiloxy) Silylethyl Dimethicone	100	None	2	W/O emulsifier with polyglycerol functionalities. Able to create low to high viscosity emulsions with oils of low to high polarity. Dispersing aid for micronized powders and pigments. Provides light feel and low whitening. Low odor. Cold process.
DOWSIL™ FZ-2233	Bis-Isobutyl PEG/PPG-10/7 Dimethicone Copolymer	100	None	2.5	PEG/dimethicone copolymer for medium to high viscosity W/Si and W/Si + O emulsions. Useful as a dispersing agent for micronized powders such as TiO ₂ in silicone fluids.
DOWSIL™ 9011 Silicone Elastomer Blend	Cyclopentasiloxane (and) PEG-12 Dimethicone Crosspolymer	12.5	XIAMETER™ PMX-0245 Fluid	1.7	Creates low to medium viscosity W/Si emulsions. Can stabilize high level of glycols, such as glycerine and aluminium salts in the water phase. Cold process.
XIAMETER™ OFX-5329 Fluid	PEG-12 Dimethicone	100	None	6.7	Useful for O/W or Si/W emulsions. Can make stable, water-thin emulsions. Capable of forming silicone vesicles.
DOWSIL™ ES-5373 Formulation Aid	PEG-12 Dimethicone	100	None	8	Useful for O/W or Si/W emulsions. Can make stable, water-thin emulsions. Low odor.

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SURFACTANTS

Product Type	Product Name	INCI Name	Product Form	Active (%)	Application/Benefit
Alkyl Glucoside	EcoSense™ 1200 Surfactant	Lauryl Glucoside	High-Viscosity Liquid	50	Recommended for both natural and mass market segments. 100% vegetable origin. Biodegradable for use in body wash applications, facial cleansers and wipes.
	EcoSense™ 919 Surfactant	Coco Glucoside	Liquid	50	
	EcoSense™ 3000 Surfactant	Decyl Glucoside	Liquid	50	
Product Type	Product Name	INCI Name	Product Form	Viscosity (cSt)	Application/Benefit
Silicone Polyether	XIAMETER™ OFX-0190 Fluid	PEG/PPG - 18/18 Dimethicone	Liquid	1,500-2,500	Provides a good foam control and a silky sensory feel in body wash applications.
	XIAMETER™ OFX-0193 Fluid	PEG-12 Dimethicone	Liquid	250-380	

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SENSORY ENHANCERS

Product Type	Product Name	INCI Name	Specific Gravity at 25°C	Refractive Index at 25°C	Flash Point (°C)	Application/Benefit	
Silicone Fluids	Volatile Fluids	XIAMETER™ PMX-0245 Cyclopentasiloxane	Cyclopentasiloxane	0.95	1.397	76	Low molecular weight volatile carriers that can be used as transient detackifier. Good compatibility with oil and alcohol. No skin residue nor cooling effect when formulated into skin care applications. Can be formulated into clear and oil-free systems. Improves spray pattern together with no stain and no sting in AP/Deo applications.
		XIAMETER™ PMX-0246 Cyclohexasiloxane	Cyclohexasiloxane (and) Cyclopentasiloxane	0.96	1.399	93	
		XIAMETER™ PMX-0345 Cyclosiloxane Blend	Cyclopentasiloxane (and) Cyclohexasiloxane	0.96	1.398	74	
		XIAMETER™ PMX-200 Silicone Fluid 0.65 cSt	Disiloxane	0.76	1.375	-3	
		XIAMETER™ PMX-200 Silicone Fluid 1 cSt	Trisiloxane	0.82	1.382	30	
		XIAMETER™ PMX-200 Silicone FLUID 1.5 cSt	Dimethicone	0.85	1.387	57	
		XIAMETER™ PMX-200 Silicone FLUID 2 cSt	Dimethicone	0.87	1.389	87	
	XIAMETER™ PMX-1 184 Silicone Fluid	Dimethicone (and) Trisiloxane	0.85	1.388	42	Volatile silicone carrier that can reduce tack and whiteness in antiperspirant and deodorant formulations. Non-cooling effect on skin and provides pleasant skin feel.	
	DOWSIL™ FZ- 3196 Fluid	Caprylyl Methicone	0.84	1.413	110	Moderate volatility solvent that brings a unique light, non-greasy and silky smooth feel with excellent spreadability. Compatible with a broad range of oils. Reduces greasiness and tackiness of other oils. Good media for dispersing pigments.	
	Low Viscosity	XIAMETER™ PMX-200 Fluid 5 cSt	Dimethicone	0.915	1.397	134	Medium to high-molecular weight dimethicones that provide emolliency, substantivity, lubrication, slippery effect, de-soaping, conditioning, protection and spreadability in skin and color cosmetic applications.
XIAMETER™ PMX-200 Fluid 6 cSt		Dimethicone	0.925	1.397	153		
XIAMETER™ PMX-200 Fluid 10 cSt		Dimethicone	0.934	1.399	211		
XIAMETER™ PMX-200 Fluid 20 cSt		Dimethicone	0.950	1.401	246		
Medium Viscosity	XIAMETER™ PMX-200 Fluid 50 cSt	Dimethicone	0.960	1.402	> 326		
	XIAMETER™ PMX-200 Fluid 100 cSt	Dimethicone	0.965	1.402	> 326		
	XIAMETER™ PMX-200 Fluid 200 cSt	Dimethicone	0.970	1.403	> 326		
	XIAMETER™ PMX-200 Fluid 350 cSt	Dimethicone	0.970	1.404	> 326		
	XIAMETER™ PMX-200 Fluid 500 cSt	Dimethicone	0.970	1.404	> 326		
High Viscosity	XIAMETER™ PMX-200 Fluid 1000 cSt	Dimethicone	0.970	1.404	> 326		
	XIAMETER™ PMX-200 Fluid 12,500 cSt	Dimethicone	0.970	1.404	> 326		
	XIAMETER™ PMX-200 Fluid 60,000 cSt	Dimethicone	0.970	1.404	> 326		
	XIAMETER™ PMX-200 Fluid 300,000 cSt	Dimethicone	0.970	1.404	> 326		
	XIAMETER™ PMX-200 Fluid 500,000 cSt	Dimethicone	0.970	1.403	321		

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Product Type	Product Name	INCI Name	Specific Gravity at 25°C	Refractive Index at 25°C	Viscosity (cSt)	Application/Benefit
Silicone Fluids Specialties	DOWSIL™ 556 Cosmetic Grade Fluid	Phenyltrimethicone	0.98	1.460	15-30	High refractive index, smooth feel and good spreadability. Compatible with other organic ingredients.
	DOWSIL™ 2502 Cosmetic Fluid	Cetyl Dimethicone	0.86	1.448	45	Compatible with vegetable and hydrocarbon oils, organic sunscreens and esters. Wash-off resistant, semi-occlusive material providing controlled moisturization.
	DOWSIL™ 5562 Carbinol Fluid	Bis-Hydroxyethoxypropyl Dimethicone	0.98	1.410	30-60	Processing aid that helps pigment dispersion. Wide range of compatibilities with both polar and non-polar solvents. Enhances fragrance release.
Product Type	Product Name	INCI Name	Solid (%)	Carrier	Viscosity	Application/Benefit
Silicone Gum Blend Gum in Volatile Gum in Non Volatile	XIAMETER™ PMX-1411 Fluid	Cyclopentasiloxane (and) Dimethicone	15	Cyclopentasiloxane	6,000 cSt	Delivers a film on the skin, imparting soft, velvety skin feel. Enables long-lasting effects and is wash-off resistant. Immediate drying. Soft and smooth feel.
	XIAMETER™ PMX-1501 Fluid	Cyclopentasiloxane (and) Dimethiconol	15	Cyclopentasiloxane	4,500-8,000 cSt	
	XIAMETER™ PMX-1502 Fluid	C11-13 Isoparaffin (and) Dimethiconol (and) Isohexadecane (and) Dimethicone	25	C11-13 Isoparaffin (and) Isohexadecane (and) Dimethicone	16,000 cSt	Provides film barrier properties together with a light, velvety feel. Provides good oil compatibility.
	DOWSIL™ TORAY BY 25-320	C13-16 Isoparaffin (and) Dimethicone	20	C13-16 Isoparaffin and C10-13 Isoparaffin	10,000 cSt	Provides good compatibility with organic oils together with wash-off resistance and long-lasting benefits.
	XIAMETER™ PMX-9027 Fluid	Cyclopentasiloxane (and) Dimethiconol (and) Dimethicone Crosspolymer	11	Cyclopentasiloxane	3,000-5,000 cSt	Provides slightly powdery, smooth, lubricious and non-tacky skin feel. Optimal combination between silicone gum and silicone elastomer feel: slight mattifying effect from the elastomer together with longer-lasting feel provided by the silicone gum.
	XIAMETER™ PMX-1413 Fluid	Dimethicone	15	Dimethicone	3,500 cSt	Provides film barrier properties together with a long-lasting lubricious and velvety skin feel.
	XIAMETER™ PMX-1503 Fluid	Dimethicone (and) Dimethiconol	15	Dimethicone	2,000 cSt	
Silicone Branched Polymer	DOWSIL™ 3901 Liquid Satin Blend	Dimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer	6.25	Dimethicone	1,500 cP	Provides unique stringy texture together with high lubricity and gloss. Provides a smooth, satin-like sensory feel with a perceived moisturization benefit.

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Product Type	Product Name	INCI Name	Active (%)	Average Particle Size	Preservatives	Application/Benefit	
Silicone Elastomers	Powder	DOWSIL™ 9506 Powder	Dimethicone/Vinyl Dimethicone Crosspolymer	100	1-6 Microns	NA	Silicone elastomer powder capable of absorbing oils. Provides powdery, non-greasy smooth feel. High sebum absorption. Oil phase thickener.
		DOWSIL™ 9701 Cosmetic Powder	Dimethicone/Vinyl Dimethicone Crosspolymer (and) Silica	100	1-10 Microns	NA	Free-flowing silicone elastomer powder with superior dispersion. Provides dry, silky powdery feel. Oil and sebum absorption. Oil phase thickener.
		DOWSIL™ EP-9215 Cosmetic Powder	Dimethicone/Vinyl Dimethicone Crosspolymer	100	2-7 Microns	NA	Silicone elastomer powder providing silky and powdery skin feel. Sebum absorption.
		DOWSIL™ EP-9289 LL Cosmetic Powder	Dimethicone/Vinyl Dimethicone Crosspolymer (and) Lauroyl Lysine	100	NT	NA	Silicone elastomer powder, combined with lauroyl lysine, provides smoothness and a creamy skin feel. High sebum absorption. Improves compaction of compact powder.
	Suspension	DOWSIL™ PF-2520 Elastomer Emulsion	Dimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer (and) PEG-20 Sorbitan Cocoate	65	1-10 Microns	Chlorphenesin + Phenoxyethanol	Water-based suspension of silicone powder in silicone fluid. Cold processing and ease of formulation. Very good spreadability and rich feel.
Product Type	Product Name	INCI Name	Carrier	Non Volatile Content (%)	Viscosity (cP)	Application/Benefit	
Silicone Elastomers	Gel/Blend	DOWSIL™ 9040 Silicone Elastomer Blend	Cyclopentasiloxane (and) Dimethicone Crosspolymer	Cyclopentasiloxane	12-12.75	250,000-580,000	Provides a smooth and powdery feel to formulations and a matte appearance to skin. Shear thinning oil phase thickener. Volatile carrier.
		DOWSIL™ 9045 Silicone Elastomer Blend	Cyclopentasiloxane (and) Dimethicone Crosspolymer	Cyclopentasiloxane	12-12.75	350,000-550,000	
		DOWSIL™ 9048 Silicone Elastomer Blend	Cyclopentasiloxane (and) Dimethicone Crosspolymer	Cyclopentasiloxane	12-12.75	350,000-550,000	
		DOWSIL™ 9140 Silicone Elastomer Blend	Dimethicone (and) Dimethicone Crosspolymer	Dimethicone (1.5 cSt)	13.25-14.75	350,000-575,000	
		DOWSIL™ EL-9240 Silicone Elastomer Blend	Dimethicone (and) Dimethicone Crosspolymer	Dimethicone (2 cSt)	13-14.5	350,000-575,000	Provides a smooth and powdery feel to formulations and a matte appearance to skin. Non-balling. Shear thinning oil phase thickener. Volatile carrier.
		DOWSIL™ 9041 Silicone Elastomer Blend	Dimethicone (and) Dimethicone Crosspolymer	Dimethicone (5 cSt)	NA	300,000-500,000	
		DOWSIL™ EL-9241 Silicone Elastomer Blend	Dimethicone (and) Dimethicone Crosspolymer	Dimethicone (5 cSt)	NA	300,000-500,000	Smooth, silky, non-greasy skin feel. Shear thinning oil phase thickener. Non-volatile carrier.
		DOWSIL™ 9046 Silicone Elastomer Blend	Cyclopentasiloxane (and) Petrolatum (and) Dimethicone Crosspolymer	Cyclopentasiloxane Petrolatum	22.3-25.3	40,000-100,000	Semi-occlusive material with excellent spreadability and low greasiness. USP-grade petrolatum.
		DOWSIL™ FB-9586 Silicone Elastomer Blend	Cyclopentasiloxane (and) Dimethicone/Vinyl Dimethicone Crosspolymer (and) Dimethicone	Cyclopentasiloxane Dimethicone	40-50	30,000-70,000	Provides non-greasy, non-tacky, smooth, slippery, powdery feel and matte appearance to the skin.
		DOWSIL™ 9546 Silicone Elastomer Blend	Cyclopentasiloxane (and) Dimethicone Crosspolymer (and) Dimethicone/Vinyldimethicone Crosspolymer (and) Dimethiconol	Cyclopentasiloxane	15-16	250,000-450,000	Provides a dry, silky and non-greasy feel to formulations and a matte appearance to skin. Shear thinning oil phase thickener. Volatile carrier.

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Product Type	Product Name	INCI Name	Carrier	Non Volatile Content (%)	Viscosity (cP)	Application/Benefit	
Silicone Elastomers	Gel/Blend	DOWSIL™ EL-8040 ID Silicone Organic Blend	Isododecane (and) Dimethicone Crosspolymer	Isododecane	15.25- 16.75	300,000-550,000	Elastomer feel delivered from a high-volatility organic carrier. Improved non-transfer in color cosmetic formulations.
		DOWSIL™ EL-8048 ID Silicone Organic Blend	Isododecane (and) Dimethicone Crosspolymer	Isododecane	13.50- 16.50	200,000-400,000	
		DOWSIL™ EL-8050 ID Silicone Organic Elastomer Blend	Isododecane (and) Dimethicone/Bis-Isobutyl PPG-20 Crosspolymer	Isododecane	14.25- 15.75	350,000-575,000	Provides a dry, silky feel to formulations and matte appearance to the skin. Good compatibility with organics oils including sunscreens. Improved non-transfer in color cosmetic formulations.
		DOWSIL™ EL-8051 IN Silicone Organic Elastomer Blend	Isodecyl Neopentanoate (and) Dimethicone/Bis-Isobutyl PPG-20 Crosspolymer	Isodecyl Neopentanoate	NA	350,000-575,000	Provides a smooth feel to formulations. Good compatibility with organic oils including sunscreens.
		DOWSIL™ EL-8052 IH Silicone Organic Elastomer Blend	Isohexadecane (and) Dimethicone/Bis-Isobutyl PPG 20 Crosspolymer	Isohexadecane	16-17.5	350,000-575,000	Provides a smooth, silky feel and matte appearance to the skin. Good compatibility with organic oils, including sunscreens.
		DOWSIL™ EL-7040 Hydro Elastomer Blend	Caprylyl Methicone (and) PEG-12 Dimethicone/ PPG-20 Crosspolymer	Caprylyl Methicone	17.5-19.5	275,000-995,000	Provides a smooth feel and matte appearance to the skin. Good compatibility with organic oils. Ability to incorporate water and polar materials such as glycerin via cold processing while keeping silicone elastomer texture and feel.
		DOWSIL™ 9591 Cosmetic Powder Dispersion	Cyclopentasiloxane (and) Polysilicone-11	Cyclopentasiloxane	21-26	30,000-70,000	Provides a dry, smooth, silky, light and powdery feel and a matte appearance to the skin.
		DOWSIL™ 9852L	Cyclopentasiloxane (and) Dimethicone/ Vinyl Dimethicone Crosspolymer	Cyclopentasiloxane	21-26	30,000-70,000	
Product Type	Product Name	INCI Name	Preservatives	Solid (%)	Viscosity (cP)	Application/Benefit	
Silicone Emulsions/Lotion	DOWSIL™ 7-3100 Gum Blend HIP Emulsion	Cyclopentasiloxane (and) Dimethiconol (and) Laureth-4 (and) Laureth-23	Phenoxyethanol + (Methyl/Propyl/Ethyl) Paraben	15	150,000	High internal-phase emulsion easily diluted with water. Allows quick and easy formulation development with different silicone oils, gums and elastomers. Process equipment can be easily cleaned with water.	
	DOWSIL™ 7-3101 Elastomer Blend HIP Emulsion	Cyclopentasiloxane (and) Dimethicone Crosspolymer (and) Dimethicone (and) Laureth-23 (and) Laureth-4	Phenoxyethanol, Methylparaben, Isopropylparaben, Isobutylparaben, Butylparaben	15	30,000		
	DOWSIL™ 7-3118 EBAP HIP Emulsion	Cyclopentasiloxane (and) Dimethicone Crosspolymer (and) Dimethicone (and) Laureth-23 (and) Laureth-4	Phenoxyethanol Potassium Sorbate	15	30,000		
	DOWSIL™ 7-3120 VFAP HIP Emulsion	Dimethicone (and) Trisiloxane (and) Ceteth-10 (and) Laureth-4	Phenoxyethanol, Potassium Sorbate	6	115,000		
	DOWSIL™ CE 0101 Wipes Lotion	Cyclopentasiloxane (and) Dimethiconol (and) Laureth-4 (and) Laureth-23 (and) Steareth-2 (and) Steareth-100	Phenoxyethanol, Ethylhexylglycerin	6	85	Low-viscosity lotion that can be customized by adding additional cosmetic ingredients via cold processing. Enhanced sensory attributes such as improved smoothness and decreased greasiness and tackiness versus commercial wipes. Excellent cleansing properties.	

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SPF BOOSTERS

Product Name	INCI Name	Product Form	Solid (%)	Application/Benefit
SunSpheres™ Powder	Styrene/Acrylate Copolymer	Powder	98	Boosts UVA and UVB performance of inorganic and organic sunscreen filters.
SunSpheres™ HD Powder	Styrene/Acrylate Copolymer	Powder	98	Boosts UVA and UVB performance of inorganic and organic sunscreen filters. Particularly suited for fragrance-free formulations.
SOLTEX™ INO Polymer	Acrylate/Methacryloyloxyethyl Phosphate Copolymer	Emulsion	30.5-31.5	Improves transparency and product aesthetics of formulations containing inorganic UV filters without compromising SPF performance. Boosts SPF of inorganic or inorganic/organic mixture sunscreen filters.

OPTICAL APPEARANCE AIDS

Product Name	INCI Name	Physical Form	Active (%)	Average Particle Size	Preservatives	pH	Application/Benefit
DOWSIL™ EP-9801 Hydro Cosmetic Powder	Dimethicone/Vinyl Dimethicone crosspolymer (and) Butylene Glycol (and) Silica	Powder	100	3-10 Microns	NA	NA	Water-dispersible silicone elastomer powder provides wrinkle masking/soft focus, sebum absorption, and mattifying effect together with a unique powdery feel.
DOWSIL™ VM-2270 Aerogel Fine Particles	Silica Silylate	Powder	100	5-15 Microns	NA	NA	Provides wrinkle masking/soft focus and sebum absorption. Allows polar to non-polar oils to be thickened.
DOWSIL™ 9509 Silicone Elastomer Suspension	Dimethicone/Vinyl Dimethicone Crosspolymer (and) C12-14 Pareth-12	Aqueous Suspension	63-68	D50<4 Microns	Phenoxyethanol, Chlorophenesin, Methyl Paraben, Benzoic Acid	3-4.5	Provides wrinkle masking/soft focus, sebum absorption and mattifying effect together with a silky feel in O/W and hydrogel-type formulations.
DOWSIL™ PF-9510 Silicone Elastomer Suspension	Dimethicone/Vinyl Dimethicone Crosspolymer (and) C12-14 Pareth-12	Aqueous Suspension	63-68	D50<4 Microns	Chlorophenesin + Phenoxyethanol	3-7.5	
EcoSmooth™ OptiTouch	Ethylene/Octene Copolymer and Ethylene/Sodium Acrylate Copolymer	Aqueous Suspension	32-35	1-3 Microns	Self Preserved	8.2-9.5	An organic solution that provides wrinkle masking/soft focus, sebum absorption and mattifying effect together with a velvety feel from a water-based system.
DOWSIL™ 9576 Smooth Away Elastomer	Dimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer (and) Dimethicone Crosspolymer (and) Beeswax (and) Silica (and) Silica Silylate	Elastomer Gel in 1.5 cSt	15-17	NA	NA	NA	Provides immediate masking of wrinkles, fine lines and pores in anhydrous formulations together with a unique texture and smooth feel.

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RHEOLOGY MODIFIERS/TEXTURE BUILDERS

Product Type	Product Name	INCI Name	Product Form	Solid (%)	Ionicity	Application/Benefit
Acrylate	ACULYN™ 22 Rheology Modifier	Acrylate/Steareth-20 Methacrylate Copolymer	Emulsion	30	Anionic	Anionic thickener to build apparent viscosity. Compatible with difficult-to-thicken surfactants systems. Easy-to-use liquid. No premixing or dispersing required.
	ACULYN™ 28 Rheology Modifier	Acrylate/Beheneth-25 Methacrylate Copolymer	Emulsion	20	Anionic	Highly efficient anionic thickener to build apparent viscosity. Excellent clarity at low pH. Compatible with difficult-to-thicken surfactants systems, such as glucosides. Recommended for facial washes where it gives a refreshing, watery feel. Useful as a stand-alone polymeric emulsifier delivering quick-break benefits.
	ACULYN™ 33 Rheology Modifier	Acrylate Colymer	Emulsion	28	Anionic	Anionic nonassociative thickeners exhibiting good compatibility with polar solvents and peroxide. ACULYN™ 33 and ACULYN™ 33A are cost-effective suspending solutions for non-clear systems. Can also be used on their own or in combination with ACULYN™ 22 or ACULYN™ 28 as an emulsion stabilizer.
	ACULYN™ 33A Rheology Modifier	Acrylate Colymer	Emulsion	28	Anionic	
	ACULYN™ 38 Rheology Modifier	Acrylate/Vinyl Neodecanoate Crosspolymer	Emulsion	29	Anionic	Excellent anionic suspending agent for thick and rich texture in rinse-off products, such as body washes. This is also a very versatile thickener, offering a mix of excellent feel and humidity resistance.
	ACULYN™ 88 Rheology Modifier	Acrylate/Steareth-20 Methacrylate Crosspolymer	Emulsion	29	Anionic	Excellent anionic suspending agent for clear systems across a broad pH range (4-7). Can be used to stabilize nontransparent systems. Specifically suitable for systems preserved with organic acids.
	ACULYN™ EXCEL Rheology Modifier	Acrylate Copolymer	Emulsion	31	Anionic	
Urethane	ACULYN™ 44 Rheology Modifier	PEG-150/Decyl Alcohol/SMDI Copolymer	Emulsion	35	Nonionic	A nonionic thickener usable over a wide pH range and compatible with cationic ingredients. Delivers a rich, creamy texture to formulations.
	ACULYN™ 46N Rheology Modifier	PEG-150/Stearyl Alcohol/SMDI Copolymer	Emulsion	19	Nonionic	This nonionic associative rheology modifier is usable over a wide pH range and compatible with cationic ingredients. ACULYN™ 46N imparts a creamy feeling and good pick-up to formulations.
Product Type	Product Name	INCI Name	Product Form	Solid (%)	Viscosity at 25°C (cP)	Application/Benefit
Sodium (Poly) Acrylate in Silicone	ACULYN™ 2051 Rheology Modifier	Sodium Polyacrylate (and) Dimethicone (and) Cyclopentasiloxane (and) Trideceth-6 (and) PEG/PPG-18/18 Dimethicone	Emulsion	26	1,500-4,000 (30 rpm)	Thickening and emulsifying of water phase. Easy to use (no neutralization, no heating). Gives smooth, non-greasy and non-oily formulations. Excellent to stabilize silicone-rich systems.
	ACULYN™ Siltouch Rheology Modifier	Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (and) Dimethicone (and) Trideceth-6 (and) PEG/PPG-18/18 Dimethicone	Emulsion	27	1,000-6,000 (30 rpm)	Thickening and emulsifying of water phase. Ease of use (no neutralization, no heating). Gives smooth, non-greasy and non-oily formulations. D4 and D5 is less than 0.1%. Excellent to stabilize silicone-rich systems.

These are typical properties, not to be construed as specifications.

Product Type	Product Name	INCI Name	Product Form	Formulation Viscosity (cP)	Application/Benefit
Cellulose	CELLOSIZETM PCG-10 Thickener	Hydroxyethyl Cellulose	Water-Dispersible Powder	4,400-6,000 (at 1%, 30 rpm)	Derived from cellulose, a renewable, natural material. Nonionic, efficient water-phase thickener for body washes and skin cleansers.
	CELLOSIZETM QP-40 CGR Thickener		Water-Dispersible Powder	80-125 (at 2%, 30 rpm)	
	CELLOSIZETM QP-300 CGR Thickener		Water-Dispersible Powder	300-400 (at 2%, 60rpm)	
	CELLOSIZETM QP-4400-H CGR Thickener		Water-Dispersible Powder	4,800-6,000 (2%, 30 rpm)	
	CELLOSIZETM QP-15000-H CGR Thickener		Water-Dispersible Powder	1,100-1,500 (at 1%, 30rpm)	
	CELLOSIZETM QP-30000-H CGR Thickener		Water-Dispersible Powder	1,500-2,400 (at 1%, 30rpm)	
	CELLOSIZETM QP-52000-H CGR Thickener		Water-Dispersible Powder	2,400-3,000 (at 1% , 30rpm)	
	CELLOSIZETM QP-100M-H-CGR Thickener		Water-Dispersible Powder	4,400-6,000 (at 1% , 30rpm)	
	ETHOCELTM STD 4 PRM Thickener	Ethylcellulose	Powder	3-5 (5% Solution in 80% Toluene/20% Ethanol at 25°C)	Multifunctional oil-soluble polymers specifically designed for color cosmetics. They also act as oil thickeners for high-oil-content body care formulations.
	ETHOCELTM STD 7 (FP) PRM Thickener		Fine Powder	6-8 (5% Solution in 80% Toluene/20% Ethanol at 25°C)	
ETHOCELTM STD 10 (FP) PRM Thickener	Powder		9-11 (5% Solution in 80% Toluene/20% Ethanol at 25°C)		
ETHOCELTM STD 45 PRM Thickener	Powder		41-49 (5% Solution in 80% Toluene/20% Ethanol at 25°C)	High molecular weight grades having the ability to structure/thicken the oil in addition to the film-forming properties.	
ETHOCELTM STD 100 (FP) PRM Thickener	Fine Powder		90-110 (5% Solution in 80% Toluene/20% Ethanol at 25°C)		
Product Type	Product Name	INCI Name	Product Form	Melting Point (°C)	Application/Benefit
Silicone Waxes	DOWSILTM 2501 Cosmetic Wax	BIS-PEG-18 Methyl Ether Dimethyl Silane	Solid	~31	Silicone wax that melts in contact with skin. Easily added to water phase. Provides humectancy and moisturization. Reduces tackiness and improves foam qualities in wash-off applications.
	DOWSILTM 2503 Cosmetic Wax	Stearyl Dimethicone (and) Octadecene	Solid	28-35	Semi-occlusive silicone wax that melts at body temperature and provides moisturization. Good compatibility with organic oils. Improves wash-off resistance in O/W sun care formulations.
	DOWSILTM AMS-C30 Cosmetic Wax	C30-45 Alkyl Methicone (and) C30-45 Olefin	Solid	73-77	Silicone wax with a high melting point and is compatible with many non-polar cosmetic raw materials. Adds body to creams and lotions. Provides structural integrity to sticks. Acts as a moisturization agent.
	DOWSILTM 580 Wax	Stearoxy Trimethylsilane (and) Stearyl Alcohol	Solid	36-56	Silicone wax that is compatible with organic ingredients and provides lubricity, water-repellency, nonocclusive film and detackification benefits.
	DOWSILTM SW-8005 C30 Resin Wax	C30-45 Alkyldimethylsilyl Polypropylsilsesquioxane	Solid	63-71	Provides long-lasting and nontransfer properties. Compatible with organic waxes, esters, sunscreens, vegetable oils, hydrocarbon oils, D5, fragrance and silicones. Nontransfer.

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FILM FORMERS

Product Type	Product Name	INCI Name	Viscosity (cP)	Carrier	Solid (%)	Application/Benefit
Acrylate	EPITEX™ 66 Polymer	Acrylate Copolymer	500	Water	43-46	An organic film former for sunscreens and color cosmetics. Excellent water resistance, low cost in use.
	DOWSIL™ FA 4001 Silicone Acrylate	Cyclopentasiloxane (and) Acrylate/ Polytrimethylsiloxymethacrylate Copolymer	80-400	Cyclopentasiloxane	30	Silicone acrylate copolymer that forms a long-lasting, hard film with wash-off, friction and transfer resistance. Good oil compatibility.
	DOWSIL™ FA 4002 ID Silicone Acrylate	Isododecane (and) Acrylate/ Polytrimethylsiloxymethacrylate Copolymer	100-500	Isododecane	40	Silicone acrylate copolymer that forms a long-lasting, hard film with wash-off, friction and transfer resistance. Good oil compatibility. Provides protection against pollutants and tightens skin.
	DOWSIL™ FA-4003 DM Silicone Acrylate	Dimethicone (and) Acrylate/ Polytrimethylsiloxymethacrylate Copolymer	199	Dimethicone 2 cSt	40	Silicone acrylate copolymer that forms a long-lasting, flexible film that is comfortable to wear. Also provides wash-off, rub-off, sebum and transfer resistance. Good oil compatibility. Provides protection against pollutants.
	DOWSIL™ FA 4004 ID Silicone Acrylate	Isododecane (and) Acrylate/ Polytrimethylsiloxymethacrylate Copolymer	100	Isododecane	40	Fast-drying silicone acrylate copolymer that forms a long-lasting, flexible film that is comfortable to wear. Also provides wash-off, rub-off, sebum and transfer resistance. Good oil compatibility.
	DOWSIL™ FA 4 103 Silicone Acrylate Emulsion	Acrylate/ Polytrimethylsiloxymethacrylate (and) Laureth-1 Phosphate	10	Water	28-32	Silicone acrylate copolymer delivered from water. Forms a long-lasting, flexible film that is comfortable to wear. Provides wash-off, rub-off, sebum and transfer resistance. Provides protection against pollutants. Boosts SPF.
Silicone Resin Gum	DOWSIL™ FC-5001 CM Resin Gum	Cyclopentasiloxane (and) Trimethylsiloxysilicate/ Dimethiconol Crosspolymer	1240	Cyclopentasiloxane	36-44	Dispersion of resin gums in volatile carriers of different volatilities. Provides high sebum repellency, good friction resistance and excellent film flexibility.
	DOWSIL™ FC-5002 IDD Resin Gum	Isododecane (and) Trimethylsiloxysilicate/ Dimethiconol Crosspolymer	114	Isododecane	40	
	DOWSIL™ FC-5004 DM Resin Gum	Dimethicone (and) Trimethylsiloxysilicate/ Dimethiconol Crosspolymer	200	Dimethicone 1.5 cSt	35-45	
Silicone Resin	DOWSIL™ MQ-1640 Flake Resin	Trimethylsiloxysilicate (and) Polypropylsilsesquioxane	NA	NA	100	Solid resin that forms a semiflexible film. Provides wash-off, water and sebum resistance and is comfortable to wear. Compatible with organic carriers. Tightens skin.
	DOWSIL™ MQ-1600 Solid Resin	Trimethylsiloxysilicate	NA	NA	100	Solid resin that forms a hard film. Provides wash-off and sebum resistance. Compatible with organic carriers.
	DOWSIL™ 593 Fluid	Dimethicone (and) Trimethylsiloxysilicate	400-1,000	Dimethicone 100 cSt	33	Resin dispersion in non-volatile silicone carrier. Provides wash-off resistance.
	DOWSIL™ RSN-749 Fluid	Cyclopentasiloxane (and) Trimethylsiloxysilicate	200-700	Cyclopentasiloxane	50	Resin dispersion in volatile silicone carrier. Long-lasting.

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OPACIFIERS

Product Name	INCI Name	Product Form	Solid (%)	Particle Size	Ionicity	Application/Benefit
OPULYN™ 301 Opacifier	Styrene/Acrylate Copolymer	Emulsion	40	170 nm	Anionic	Highly versatile opacifier for anionic surfactant-based systems. Best performance in slightly acid to moderate pH range. Tolerates moderate levels of inorganic electrolytes. Recommended for shower gels.
OPULYN™ 302B Opacifier	Styrene/Acrylate Copolymer	Emulsion	40	210 nm	Anionic	Specifically designed for anionic surfactant-based systems across broad pH range and with low levels of inorganic electrolytes. Preferred choice for systems with soft preservatives, such as shower gels.
OPULYN™ 303B Opacifier	Styrene/Acrylamide Copolymer	Emulsion	40	250 nm	Nonionic	Specifically designed to enhance the opacity of cationic surfactant-based formulations.
OPULYN™ 305 Opacifier*	Acrylate/PEG-10 Maleate/Styrene Copolymer	Emulsion	40	300 nm	Anionic	Designed for anionic-surfactant based systems with high levels of inorganic electrolytes across a broad pH range. Preferred choice for low betaine systems, such as liquid hand soaps.

*Not available in Europe, Middle East, Africa and India

FOAM BOOSTERS

Product Name	INCI Name	Product Form	Viscosity (cP)	Application/Benefit
METHOCEL™ 40-0100 PCG Functional Thickener	Hydroxypropyl Methylcellulose	Powder	10,000-6,500 (2% Aqueous Solution)	Water thickeners that enhance and stabilize foam. Used in body washes, facial cleansers, liquid hand soaps and shaving creams.
METHOCEL™ 40-0101 PCG Functional Thickener		Powder	60,000-90,000 (2% Aqueous Solution)	
METHOCEL™ 40-0202 PCG Functional Thickener		Powder	3,500-5,500 (2% Aqueous Solution)	

These are typical properties, not to be construed as specifications.



HUMECTANTS

Product Type	Product Name	INCI Name	Physical Form	Range Average (MW)	Viscosity at 100°C (cSt)	Application/Benefit
Polyethylene Glycols	CARBOWAX™ SENTRY™ PEG 300	PEG-6	Liquid	285-315	5.8	Used in creams and lotions due to their affinity for water, inert nature, and ability to solubilize active ingredients. The humectant effect of PEGs increases the ability of these creams and lotions to retain water while also imparting a conditioning effect on the treated skin without producing the sensation of stickiness. The humectancy of CARBOWAX™ SENTRY™ PEGs also helps prevent creams and lotions from drying out.
	CARBOWAX™ SENTRY™ PEG 400	PEG-8	Liquid	380-420	7.3	
	CARBOWAX™ SENTRY™ PEG 540 Blend	PEG-6 (and) PEG-32	Semi-Solid	NA	15.8	
	CARBOWAX™ SENTRY™ PEG 600	PEG-12	Semi-Solid	570-630	10.8	
	CARBOWAX™ SENTRY™ PEG 1000	PEG-20	Semi-Solid	950-1,050	17.2	
	CARBOWAX™ SENTRY™ PEG 1450	PEG-32	Solid	1,302-1,595	26.5	
	CARBOWAX™ SENTRY™ PEG 3350	PEG-75	Solid	3,015-3,685	90.8	
	CARBOWAX™ SENTRY™ PEG 4000	PEG-90	Solid	3,600-4,400	140.4	
	CARBOWAX™ SENTRY™ PEG 4600	PEG-100	Solid	5,400-6,600	320	
	CARBOWAX™ SENTRY™ PEG 8000	PEG-180	Solid	7,000-9,000	821.7	
Methoxypolyethylene Glycols	CARBOWAX™ SENTRY™ MPEG 350	PEG-6 Methyl Ether	Liquid	335-365	3.9	Used in creams and lotions due to their affinity for water, inert nature, and ability to solubilize active ingredients. Humectant effect of MPEGs increases the ability of these creams and lotions to retain water while also imparting a conditioning effect on the treated skin without producing the sensation of stickiness. The humectancy of CARBOWAX™ SENTRY™ MPEGs also helps prevent creams and lotions from drying out.
	CARBOWAX™ SENTRY™ MPEG 550	PEG-10 Methyl Ether	Semi-Solid	525-575	6.5	
Product Type	Product Name	INCI Name	Physical Form	Average (MW)		Application/Benefit
Glycols	Propylene Glycol USP/EP	Propylene Glycol	Liquid	76.1		Serves as an effective humectant to help prevent product drying, and it can act as a freeze-point depressant in products like shaving foams. Also can serve as a solvent and stabilizer for surfactants, emulsions and sunscreens. Can be an effective carrier for flavors, fragrances, preservatives and plant extracts. Aids in the formulation of stable final products.
	PURAGUARD™ Propylene Glycol USP/EP*	Propylene Glycol	Liquid	76.1		Used as a humectant, skin-conditioning agent and/or solvent. The purity and versatility of PURAGUARD™ Propylene Glycol USP/EP allow it to be used as an ingredient in products subject to very stringent quality standards, including pharmaceuticals, foods, beverages, cosmetics, personal care products and animal feed.
	DIPROPYLENE GLYCOL LO+	Dipropylene Glycol	Liquid	134.2		Can provide excellent co-solvency for water, oils and hydrocarbons, with consistent purity and quality, minimal odor, low skin-irritation potential, low toxicity and consistent isomer distribution.

These are typical properties, not to be construed as specifications.
*Only available in the United States

CHELATING AGENTS

Product Name	INCI Name	Product Form	Assay (%)	pH	Application/Benefit
VERSENE™ 100XL Chelating Agent	Tetrasodium EDTA	Liquid	38 Wt% as Na4EDTA	11-12 (1 Wt% Solution)	Provided as an aqueous solution of the tetrasodium salt of ethylenediaminetetraacetic acid. Manufactured to high purity specifications that are designed to limit impurities.
VERSENE™ 220 Crystals Chelating Agent	Tetrasodium EDTA	Crystalline Powder	99.0 Wt% as Na4EDTA • 4H2O 83.2 Wt% as Na4EDTA 64.0 Wt% as H4EDTA	10.5-11.5 (1 Wt% Solution)	A dry, crystalline version of VERSENE™ 100 Chelating Agent. It is useful in formulating dry products or where the total water content of a product must be kept to a minimum.
VERSENE™ Na ₂ Crystals Chelating Agent	Disodium EDTA	Powder	99.0 Wt% as Na2H2EDTA • 2H2O 89.4% as Na2H2EDTA 77.7 Wt% as H4EDTA	4.3-4.7 (1 Wt% Solution)	A partially neutralized salt of EDTA, in dry form. VERSENE™ Na ₂ Crystals Chelating Agent is well suited for applications calling for neutral pH or mildly acidic conditions, such as personal care products.

PIGMENT TREATMENTS

Product Name	INCI Name	Viscosity (cSt)	Specific Gravity at 25°C	Flash Point (°C)	Active (%)	Application/Benefit
DOWSIL™ AM-3100 Hydrogen Fluid	Hydrogen Dimethicone	40	0.97	205	100	Surface treatment via dehydrogenation reaction. Provides water and sebum repellency.
DOWSIL™ OFS-6341 Silane	Triethoxycaprylylsilane	2.04	0.875	63	100	Surface treatment via alcohol condensation reaction. Provides water repellency, moist feel and skin adhesion. Easy dispersion in silicone and organic carriers.

OTHER COSMETIC INGREDIENTS

Product Name	INCI Name	Product Form	Solid (%)	Application/Benefit
AgeCap™ Smooth Cosmetic Ingredient	Methoxyhydroxyphenyl Isopropylnitron	Powder	100	Cosmetic ingredient that contributes to healthy skin by softening the appearance of wrinkles and promoting skin radiance and skin-smoothing benefits.

These are typical properties, not to be construed as specifications.



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