PERSONAL CARE

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
- Bath and shower
- Men's care

Emollients/Skin conditioning

Product type	Product name	INCI name	Product form	Viscosity (cP)	Applications/Benefits
Polyethylene Glycol	FOAMYSENSE™ N10 Polymer	PEG-2M	Water-Soluble Powder	30-50 (5% Aqueous Solution)	Provides slip and lubricious feel while boosting foam. Improves spreadability for cleansing, shaving, skin care and sun care products.
	FOAMYSENSE™ N750 Polymer	PEG-7M	Water-Soluble Powder	600-1,000 (5% Aqueous Solution)	
	FOAMYSENSE™ N3000 Polymer	PEG-14M	Water-Soluble Powder	2,250-4,500 (5% Aqueous Solution)	
	FOAMYSENSE™ 205 Polymer	PEG-14M	Water-Soluble Powder	4,500-8,800 (5% Aqueous Solution)	
	FOAMYSENSE™ N12K Polymer	PEG-23M	Water-Soluble Powder	400-800 (2% Aqueous Solution)	
	FOAMYSENSE™ N60K Polymer	PEG-45M	Water-Soluble Powder	2,000-4,000 (2% Aqueous Solution)	
	FOAMYSENSE™ 301 Polymer	PEG-90M	Water-Soluble Powder	1,650-5,500 (1% Aqueous Solution)	
Polypropylene Glycol	Fluid AP, Low Odor	PPG-14 Butyl Ether	Liquid	100	Provides emolliency, solvency and slip in skin lotions, eye makeup removers, antiperspirants, and deodorants.
	EcoSmooth™ Universal Fluid LB-1715	PPG-40 Butyl Ether	Liquid	320-350	Provides emolliency, solvency and slip in skin lotions, eye makeup removers.
	EcoSmooth™ Universal Fluid 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.
	EcoSmooth™ Universal Fluid 50-HB-3520	PPG-28-Buteth-35	Liquid	650-700	
	EcoSmooth™ Universal Fluid 75-H-450	PEG/PPG-17/6 Copolymer	Liquid	84-94	Provides emolliency, solvency and slip in facial toners and body wash applications.
Levulinate derivative	EcoSmooth™ Universal Fluid 1100	Ethyl PG-Acetal Levulinate	Liquid	3	Biobased and biodegradable fluid with medium volatility providing good spreading together with a light and soft skin feel. Provides excellent compatibility with vegetable oils, organics, esters, sunscreens, cosmetic actives and fragrances. Skin microbiome-friendly.
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.).
	UCARE™ Polymer JR-400	Polyquaternium-10	Powder	300–500 (2% Aqueous Solution)	Dedicated to skin conditioning. Provides moisturization, reduces damage to barrier function of the skin caused by soap.
	UCARE™ Extreme Polymer	Polyquaternium-10	Powder	3,000-7,000 (1% Aqueous Solution)	A bioderived and biodegradable cationic cellulosic polymer that can be used as principal conditioning agent. This cellulosic polymer is derived from non-GMO and PEFC (Programme for Endorsement of Forest Certification) certified wood pulp.
Acrylate copolymer	EcoSmooth™ Satin P	Ethylene/Sodium Acrylate Copolymer	Liquid	< 2,000	Enables excellent skin conditioning. Delivers improved sensory and foam performance; provides enhanced physical properties to bars as well as in-use benefits on sensorial attributes such as perception of moisturization and fragrance retention.

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

Formulation aids

Product name	INCI Name	Active (%)	Carrier	HLB (Calculated)	Applications/Benefits
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 Emulsifier	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 Silicone Emulsifier	PEG/PPG-19/19 Dimethicone (and) C13-16 Isoalkane (and) C10-13 Isoalkane	50	Isoalkane	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. Skin microbiome-friendly.
DOWSIL™ ES-5700 Formulation Aid	Cetyl Diglyceryl Tris(Trimethylsiloxy)silylethyl Dimethicone	100	None	2.5	Dispersant with diglycerol hydrophilic functionality to create low viscosity stable dispersion and improves the compatibility to both organic and silicone oils. Dispersing aid for high powder content. Reduces white residue and improves colour intensity.
DOWSIL™ ES-5800 Formulation Aid	Carboxydecyl Dimethicone	100	None	N/A	Carboxy functional silicone for oil-in-water and silicone-in-water emulsions with smaller particle. Dispersant for powder in aqueous media. Allows to work as surface treatment for pigments and fine particles.
DOWSIL™ FZ-2233 Silicone Emulsifier	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.
EcoSense™ APP-5000 Formulation Aid	Myristyl/Stearyl Xylosides (and) Myristyl alcohol (and) Stearyl alcohol	98	None	9.0-9.5	Non-ionic emulsifier with HLB 9.0-9.5. Creates low viscosity oil-in-water emulsions Emulsify up to 40 % oils (vegetable oil, esters and silicones). NON-GMO. 100 % natural index per ISO 16128. Xylose from lignocellulosic biomass (wood origin).

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Surfactants

Product type	Product name	INCI Name	Product torm	Active (%)	Applications/Benefits
Alkyl Glucoside	EcoSense™ 1200 Surfactant	Lauryl Glucoside	High-viscosity liquid	50	Recommended for both natural and mass market segments. 100% vegetable origin. Readily biodegradable. For use in body wash applications, facial cleansers and wipes. Produces moderate to high stable foam. ECOCERT.
	EcoSense™ 1200 RSPO-MB (RSPO Certified Version)*				
	EcoSense™ 919 Surfactant	Coco Glucoside	Liquid	50	
	EcoSense™ 919 RSPO-MB (RSPO Certified Version)*				
	EcoSense™ 3000 Surfactant	Decyl Glucoside	Liquid	51	
	EcoSense™ 3000 RSPO-MB (RSPO Certified Version)*				
	EcoSense™ 1000 Surfactant	Decyl Glucoside	Liquid	50	
	EcoSense™ 1000 RSPO-MB (RSPO Certified Version)*				
Alkyl Glycoside	EcoSense™ APP-1000 Surfactant	Caprylyl/Capryl Glucosides/Xylosides	Liquid	60	Non-ionic Alkyl polyglycoside surfactant. 100% natural index per ISO 16128. It is produced by green chemistry principles. Used at low level to boost the performance of other bio-based surfactants enabling 100% naturally derived formulations. Provides high clarity and good foam quantity as a primary or secondary surfactant. Non-GMO and readily biodegradable.
Sophorolipid	EcoSense ™ GL-60 HL Surfactant	Glycolipids	Liquid	53	Naturally derived bio-surfactant with emulsifying properties. Sophorolipid with low HLB. Contains a high percentage of the lactone form. Milder versus traditional surfactants. Effective solubilizer of essential oils/fragrances. Non-GMO, sugar and canola oil based. Readily biodegradable. COSMOS APPROVED. Skin microbiome-friendly.
	EcoSense ™ GL-60 HA Surfactant	Glycolipids	Liquid	53	Naturally derived bio-surfactant with emulsifying properties. Sophorolipid with medium to high HLB. Contains a high percentage of the acid form. Milder versus traditional surfactants. Effective solubilizer of essential oils/fragrances Non-GMO, sugar and canola oil based. Readily biodegradable. COSMOS APPROVED. Skin microbiome-friendly.

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*RSPO-MB grade certified in China

Sensory enhancers

Product type		Product name	INCI Name	Specific gravity at 25°C	Refractive index at 25°C	Flash point (°C)	Applications/Benefits
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-1184 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™ 1184 LC Fluid				52	
		DOWSIL™ FZ-3196 Fluid	Caprylyl Methicone	0.84	1.413	110	Moderate volatility solvent that brings a unique light, n on-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. Skin microbiome-friendly.
	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.
		DOWSIL™ 200 Silicone Fluid 6 cSt	Dimethicone	0.921	1.397	146	
		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	
		XIAMETER™ PMX-200 Fluid 1000 cSt	Dimethicone	0.970	1.404	> 326	
	High viscosity	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)	Applications/Benefits
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™ PH-1555 HRI Cosmetic Fluid	Trimethyl Pentaphenyl Trisiloxane	1.0920-1.0990	1.5775-1.5800	175	Ultra high refractive index, imparts gloss, to hair and skin, enables clear formulations. Good spreadability and imparts a rich feel. Broad compatibility which cosmetic ingredients.
		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	Applications/Benefits
Silicone gum blend	Gum in 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	
		DOWSIL™ PMX-1503 LC Fluid	Dimethicone (and) Dimethiconol	12	Dimethicone	1500 cSt	Low-cyclic alternative to 1503 that provides film forming properties together with a long-lasting lubricious and velvety skin feel
		DOWSIL™ PMX-1504 Fluid	C11-13 Isoalkane (and) Isohexadecane (and) Dimethiconol	26-28	C11-13 Isoalkane (and) Isohexadecane	25,000-35,000 cSt	Provides film forming properties together with a light, velvety feel. Provides good oil compatibility.
		DOWSIL™ PMX-1505 Fluid	Isododecane (and) Dimethiconol	13-17	Isododecane	800-2,200 cPs	Delivers a film on the skin Enables long-lasting effects and is wash-off resistant. Immediate drying. Soft and smooth feel.
		DOWSIL™ PMX-1507 Fluid	Dimethicone (and) Dimethiconol	17.5-19.5	Dimethicone	5,200-8,400 cPs	Provides film forming properties together with a long-lasting lubricious and velvety skin feel.
		DOWSIL™ BY 25-320	C13-16 Isoalkane (and) Dimethicone	20	C13-16 Isoalkane and C10-13 Isoalkane	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.
	Gum in non volatile	XIAMETER™ PMX-1413 Fluid	Dimethicone	15	Dimethicone	3,500 cSt	Provides film forming properties together with a long-lasting lubricious and velvety skin feel.
		XIAMETER™ PMX-1503 Fluid	Dimethicone (and) Dimethiconol	15	Dimethicone	2,000 cSt	
		DOWSIL™ PMX-1508 Fluid	C13-15 Alkane (and) Dimethiconol	19.5-21.5	C13-15 Alkane	5,200-8,400 cPs	Provides film forming properties together with a long-lasting lubricious skin feel. Non volatile sugar cane source carrier produced by biofermentation. Natural origin content of 76 % per ISO 16128.

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Product type	Product name	INCI Name	Active (%)	Average particle size	Preservatives	Applications/Benefits

Product type		Product name	INCI Name	Carrier	Non volatile content (%)	Viscosity (cP)	Applications/Benefits
Silicone branched polymer		DOWSIL™ 3901 Liquid Satin Blend	Dimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer	6.25	Dimethicone	1,500 cPs	Provides unique stringy texture together with high lubricity and gloss. Provides a smooth, satin-like sensory feel with a perceived moisturization benefit.
		DOWSIL™ 3903 Liquid Satin Blend	Isododecane (and) Dimethicone/ Vinyl Dimethicone Crosspolymer	7-8	Isododecane	1,000-8,000 cPs	
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.
		DOWSIL™ EP-9608 Cosmetic Powder	Dimethicone Crosspolymer (and) Dimethicone	100	1-8 Microns	NA	Oil loaded silicone elastomer powder provides rich non powdery feel and masks pores naturally. Very easy to handle and does not agglomerate which makes it the ideal silicone powder for manufacturing operations. Designed for compact/pressed powder and color cosmetic applications.
		DOWSIL™ EP-9610 Cosmetic Powder	Dimethicone Crosspolymer	100	1-8 Microns	NA	Silicone elastomer powder providing superior softness, elastomeric bouncing feel, oil/sebum absorption, matte effect. Allow various textures.
Product type		Product name	INCI Name	Carrier	Non volatile content (%)	Viscosity (cP)	Applications/Benefits
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	Provides a smooth and powdery feel to formulation and a matte appearance to skin. Non balling. Shear thinning oil phase thickener. Volatile carrier.
		DOWSIL™ 9546 Silicone Elastomer Blend	Cyclopentasiloxane (and) Dimethicone Crosspolymer (and) Dimethicone/ Vinyldimethicone Crosspolymer (and) Dimethiconol	Cyclopentasiloxane	15- 16	250,000-450,000	Provides dry smoothness and a light silky non-greasy skin feel. Oil phase thickening and fragrance retention. Increases suspension of antiperspirant salts. Pigment aid dispersion. Volatile carrier.
		DOWSIL™ EL-9081 Silicone Elastomer Blend	Dimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer	Dimethicone (2 cSt)	13.55-15.05	250,000-500,000	Provides a smooth feel to formulation and improves compatibility with other cosmetic ingredients. Non balling. Viscosity builder with lower use dosage. Volatile Carrier. Low color, low odor and high transparency.
		DOWSIL™ EL-TIPS Silicone Elastomer Blend	C13-15 Alkane (and) Dimethicone/ Vinyl Dimethicone Crosspolymer	C13-15 Alkane	NA	250,000-550,000	Provides a smooth feel to formulation and blur effect to skin. Non balling. Non volatile sugar cane source carrier produced by biofermentation. Silicone elastomer blend with 0.7 natural origin index per ISO 16128 standard. High transparency. Ideal for non alcohol fragrance formulation and formulation with high natural content.

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Product type		Product name	INCI Name	Carrier	Non volatile content (%)	Viscosity (cP)	Applications/Benefits
Silicone elastomers	Gel/Blend	DOWSIL™ EL-9140 DM Silicone Elastomer Blend	Dimethicone (and) Dimethicone Crosspolymer	Dimethicone (1.5 cSt)	13.25-14.75	350,000-575,000	Provides a smooth and powdery feel to formulation and a matte appearance to skin. Non balling. Shear thinning oil phase thickener. Volatile carrier.
		DOWSIL™ EL-9240 Silicone Elastomer Blend	Dimethicone (and) Dimethicone Crosspolymer	Dimethicone (2 cSt)	13-14.5	350,000-575,000	
		DOWSIL™ 9041 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™ EL-9241 DM Silicone Elastomer Blend	Dimethicone (and) Dimethicone Crosspolymer	Dimethicone (5 cSt)	NA	300,000-500,000	
		DOWSIL™ EL-9341 Silicone Elastomer Blend	Dimethicone (and) Dimethicone Crosspolymer	Dimethicone (6cSt)	NA	300,000-500,000	Smooth, silky, non-greasy skin feel. Shear thinning oil phase thickener. Non-volatile carrier. Skin microbiome-friendly.
		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™ FB-9586 LC Silicone Elastomer Blend	Dimethicone (and) Dimethicone Cross polymer	Dimethicone	35-55	30,000-90,000	Provides silky feel; Easy to formulate; matte look and reduced tackiness; increased skin smoothness.
		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™ 9852 Elastomer	Cyclopentasiloxane (and) Dimethicone/Vinyl Dimethicone Crosspolymer	Cyclopentasiloxane	21-26	30,000-70,000	
		DOWSIL™ 9852 LC Silicone Gel	Dimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer	Dimethicone (2 cSt)	24-28	18,000- 50,000	
		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 like glycerin via cold process while keeping silicone elastomer texture and feel.

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Product type		Product name	INCI Name	Preservatives	Solid (%)	Viscosity (cP)	Applications/Benefits
Silicone elastomers	Gel/Blend Decarbia	DOWSIL™ EL-9341 DEC Silicone Elastomer Blend	Dimethicone (and) Dimethicone Crosspolymer	Dimethicone (6cSt)	NA	300,000-500,000	Smooth, silky, non-greasy skin feel. Shear thinning oil phase thickener. Non-volatile carrier. Silicone elastomer gel featuring externally verified carbon neutrality according to PAS 2060 with DOW carbon "INSETS" and reduced carbon footprint.
		DOWSIL™ EL-8050 DEC 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. Silicone elastomer gel featuring externally verified carbon neutrality according to PAS 2060 with DOW carbon "INSETS" and reduced carbon footprint.
		DOWSIL™ EL-8052 DEC 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. Silicone elastomer gel featuring externally verified carbon neutrality according to PAS 2060 with DOW carbon "INSETS" and reduced carbon footprint.
		DOWSIL™ EL-7040 DEC 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 like glycerin via cold process while keeping silicone elastomer texture and feel. Silicone elastomer gel featuring externally verified carbon neutrality according to PAS 2060 with DOW carbon "INSETS" and reduced carbon footprint.

Product type	Product name	INCI Name	Carrier	Non volatile content (%)	Viscosity (cP)	Applications/Benefits
Silicone emulsions/lotion	DOWSIL™ HMW 2220 Non-ionic Emulsion	Divinyldimethicone/Dimethicone Copolymer (and) C12-13 Alketh-23 (and) C12-13 Alketh-3	Phenoxyethanol	60	Internal Phase Viscosity > 120,000,000	Non ionic emulsion of high molecular weight PDMS. Allows a rich texture to skin care formulations. Creates a film on the skin which is resistant to wash. Provides excellent skin feel together with foam boosting in rinse off applications.
	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	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™ 7-3118 EBAP HIP Emulsion	Cyclopentasiloxane (and) Dimethicone Crosspolymer (and) Dimethicone (and) Laureth-23 (and) Laureth-4	Phenoxyethanol Potassium Sorbate	15	30,000	
	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 (%)	Applications/Benefits
SunSpheres™ Powder	Styrene/Acrylate Copolymer	Powder	98	Boosts UVA and UVB performance of inorganic and organic sunscreen filters.
SunSpheres™ LCG Polymer	Styrene/Acrylates Copolymer	Liquid	26-28	Enables greater SPF efficiency in sun care and daily wear SPF products. Raises the UV protection over the whole UVA/ UVB spectrum, working equally well with organic and inorganic sunscreen filters
SunSpheres™ PGL Polymer	Styrene/Acrylates Copolymer	Liquid	24.5-26.5	Enables greater SPF efficiency in sun care and daily wear SPF products. Raises the UV protection over the whole UVA/ UVB spectrum, working equally well with organic and inorganic sunscreen filters.
SunSpheres™ BIO SPF Booster	Microcrystalline Cellulose	Powder	94	Bio-based, readily biodegradable SPF booster (UVA and UVB). Allows reduced amount of UV filters. Useful for wide variety of cosmetic products using either inorganic or organic UV filters. Naturality Origin Index (ISO1 16128): 0.97. Readily biodegradable (OECD301).

Optical appearance aids

Product name	INCI Name	Physical form	Active (%)	Average particle size	Preservatives	pH	Applications/Benefits
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 Alketh-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 Alketh-12	Aqueous Suspension	63-68	D50<4 Microns	Chlorphenesin + Phenoxyethanol	3-7.5	
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.
EcoSmooth™ Rice Husk Cosmetic Powder	Silica	Powder	100	5-7 Microns	NA	NA	Provides wrinkle masking/soft focus, sebum and water absorption, humectancy, compaction, mattifying effect together with very good smooth and slippery feel when formulated. Made of plant origin and upcycled feed-stock. Non GMO. 100% natural origin content as per ISO 16128. COSMOS APPROVED.

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Rheology modifiers/Texture builders/Foam boosters

Product type	Product name	INCI Name	Product form	Solid (%)	Ionicity	Applications/Benefits
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™ 33A Rheology Modifier	Acrylates Copolymer	Emulsion	28	Anionic	Anionic non associative thickeners exhibiting good compatibility with polar solvents and peroxide. ACULYN™ 33A Rheology Modifier is cost-effective suspending solutions for non-clear systems. Can also be used on its own or in combination with ACULYN™ 22 Rheology Modifier or ACULYN™ 28 Rheology Modifier as an emulsion stabilizer.
	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	Associative anionic rheology modifier very efficient at building low shear viscosity and impart a mild, non-greasy, non-sticky rich feel to formulations.
	ACULYN™ F1 Polymer	Acrylates Copolymer	Emulsion	31	Anionic	A rheology modifier exhibiting excellent suspending capabilities over a broad pH range (3-11), while offering transparent systems.

Product type	Product name	INCI Name	Product form	Solid (%)	Ionicity	Applications/Benefits
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.

Product type	Product name	INCI Name	Product form	Solid (%)	Viscosity at 25°C (cP)	Applications/Benefits
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.

Product type	Product name	INCI Name	Product form	Formulation viscosity (cP)	Applications/Benefits
Cellulose	CELLOSIZE™ Hydroxyethyl Cellulose PCG-10 Europe	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. Cotton source-Partially non- GMO.
	CELLOSIZE™ Hydroxyethyl Cellulose QP-300 Europe		Water-Dispersible Powder	300-400 (at 2%, 60 rpm)	Derived from cellulose, a renewable, natural material. Nonionic, efficient water-phase thickener for body washes and skin cleansers. Wood – PECF certification-Non GMO.
	CELLOSIZE™ Hydroxyethyl Cellulose QP-4400-H Europe		Water-Dispersible Powder	4,800-6,000 (2%, 30 rpm)	Derived from cellulose, a renewable, natural material. Nonionic, efficient water-phase thickener for body washes and skin cleansers . Wood – PECF certification- Non GMO.
	CELLOSIZE™ Hydroxyethyl Cellulose QP-15000-H Europe		Water-Dispersible Powder	1,100-1,500 (at 1%, 30rpm)	Derived from cellulose, a renewable, natural material. Nonionic, efficient water-phase thickener for body washes and skin cleansers. Wood – PECF certification- Non GMO.
	CELLOSIZE™ Hydroxyethyl Cellulose QP-30000-H Europe		Water-Dispersible Powder	1,500-2,400 (at 1%, 30rpm)	Derived from cellulose, a renewable, natural material. Nonionic, efficient water-phase thickener for body washes and skin cleansers Wood – PECF certification.- Non GMO.

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Product type	Product name	INCI Name	Product form	Formulation viscosity (cP)	Applications/Benefits
Cellulose	CELLOSIZE™ Hydroxyethyl Cellulose QP-52000-H Europe	Hydroxyethyl Cellulose	Water-Dispersible Powder	2,400-3,000 (at 1%, 30rpm)	Derived from cellulose, a renewable, natural material. Nonionic, efficient water-phase thickener for body washes and skin cleansers. Wood – PECF certification- Non GMO.
	CELLOSIZE™ Hydroxyethyl Cellulose QP-100 MH Europe		Water-Dispersible Powder	4,400-6,000 (at 1%, 30rpm)	Derived from cellulose, a renewable, natural material. Nonionic, efficient water-phase thickener for body washes and skin cleansers. Cotton source-Partially non- GMO.
	CELLOSIZE™ Texture 40-0100 Hydroxypropyl Methylcellulose	Hydroxypropyl Methylcellulose	Powder	10,000-16,500 (2% aqueous solution)	Water thickeners that enhance and stabilize foam. Used in body washes, facial cleansers, liquid hand soaps and shaving creams. Foam boosters.
	CELLOSIZE™ Texture 40-0101 Hydroxypropyl Methylcellulose		Powder	60,000-90,000 (2% aqueous solution)	
	CELLOSIZE™ Texture 40-0202 Hydroxypropyl Methylcellulose		Powder	3,500-5,500 (2% aqueous solution)	
	CELLOSIZE™ Texture 40-0101-HF Hydroxypropyl Methylcellulose		Powder	75,000 (2% aqueous solution)	A multifunctional water-soluble polymer that enhances foams, form films, thickens, and stabilizes
Product type	Product name	INCI Name	Product form	Melting point (°C)	Applications/Benefits
Silicone waxes	DOWSIL™ 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.
	DOWSIL™ 2511 Cosmetic Wax	BIS-PEG-18 Methyl Ether Dimethyl Silane	Solid	~36-42	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. Contains Vitamin E.
	DOWSIL™ 2503 Cosmetic Wax	Stearyl Dimethicone	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.
	DOWSIL™ AMS-C30 Cosmetic Wax	C30-45 Alkyl Methicone (and) C30-45 Olefin	Solid	65-85	Silicone wax with a high melting point .Is compatible with many non-polar cosmetic raw materials. Adds body to creams and lotions. Provides structural integrity to sticks and gels. Acts as a moisturization agent.
	DOWSIL™ 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.
	DOWSIL™ 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.

Film formers

Product type	Product name	INCI Name	Viscosity (cP)	Carrier	Solid (%)	Applications/Benefits
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 CM 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. Skin microbiome-friendly.
	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.

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Product type	Product name	INCI Name	Viscosity (cP)	Carrier	Solid (%)	Applications/Benefits
Acrylate	DOWSIL™ FA 4103 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.
	DOWSIL™ FA PEPS Silicone Acrylate	Undecane (and) Tridecane (and) Acrylates/ Polytrimethylsiloxymethacrylate	25-400	Undecane (and) Tridecane	40	Silicone acrylate copolymer in a bio-based carrier for improved naturality , maintaining the premium performance of silicone acrylates in long lasting, non transfer and wash-off resistance.
Silicone resin	DOWSIL™ 1686 Resin	Polyphenylsilsesquioxane	1,000-6,000	NA	> 90	A liquid phenyl silicone resin that offers shine and radiance, contributes to color value, enables good coverage and moderate wear in personal care applications. This high refractive index shine product has multifunctional benefits making it a good choice for use in broad personal care applications.
	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™ MQ-1600 Resin	Trimethylsiloxysilicate	NA	NA	100	Solid resin that forms a hard film. Provides wash-off and sebum resistance. Compatible with organic carriers.
	DOWSIL™ MQ-1610 ID Resin	Trimethylsiloxysilicate (and) Isododecane	15-130 cSt	Isododecane	50-65	MQ silicone resin dispersed in isododecane. It provides long wear with good sebum and water repellency. Being supplied as a liquid, it is easy to formulate and features a broad compatibility with most cosmetic ingredients, including sunscreen actives.
	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-1650 ID Resin	Isododecane (and) Trimethylsiloxysilicate (and) Polypropylsilsesquioxane	30-300 cSt	Isododecane	50-65	A unique combination of MQ and T Propyl silicone resins dispersed in isododecane. It provides long wear with good sebum and water repellency, together with comfort of wear. Being supplied as a liquid, it is easy to formulate and features a broad compatibility with most cosmetic ingredients, including sunscreen actives.
	DOWSIL™ RSN-0749 Resin	Cyclopentasiloxane (and) Trimethylsiloxysilicate	200-700	Cyclopentasiloxane	50	Resin dispersion in volatile silicone carrier. Long-lasting.
Silicone resin gums	DOWSIL™ FC-5002 IDD Resin Gum	Isododecane (and) Trimethylsiloxysilicate/ Dimethiconol Crosspolymer	114	Isododecane	35-45	Silicone resin gum in a volatile carrier. Ideal for foundation and eye shadow where sebum repellency and comfort are critical.
	DOWSIL™ FC-5004 DM Resin Gum	Dimethicone (and) Trimethylsiloxysilicate/ Dimethiconol Crosspolymer	200	Dimethicone 1.5 cSt	35-45	
	DOWSIL™ FC 5012 ID Resin Gum	Trimethylsiloxysilicate/Dimethiconol Crosspolymer (and) Isododecane	1500-6000	Isododecane	68-72	Unique combination of MQ resin and silicone gum dispersed in isododecane. Superior sebum and water repellency, long wear and improved comfort through a flexible film
Starches	MaizeCare™ Clarity Polymer	Hydrolysed Corn starch	NA	NA	100	Ideal choice for water-based formulations, leading to long wear resistance including tightening and soft-focus claims, naturally derived film former, Allows clear formulations. Cold processable. Non-GMO. COSMOS APPROVED. Readily biodegradable. 100% natural origin content as per ISO 16128.
	MaizeCare™ Style Polymer		NA	NA	100	Ideal choice for water-based formulations, leading to long wear resistance including tightening and soft-focus claims, naturally derived film former. Non-GMO. COSMOS APPROVED. Readily biodegradable. 100% natural origin content as per ISO 16128.

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Opacifiers

Product name	INCI Name	Product form	Solid (%)	Particle size	Ionicity	Applications/Benefits
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.

Humectants

Product type	Product name	INCI Name	Physical form	Range average (MW)	Viscosity at 100°C (cSt)	Applications/Benefits
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)	Applications/Benefits
Glycols	Dow 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.
	Dow 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.

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*Only available in the United States

Chelating agents

Product name	INCI Name	Product form	Assay (%)	pH	Applications/Benefits
VERSENE™ 100XL Chelating Agent	Tetrasodium EDTA	Liquid	38 Wt% as Na_4EDTA	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 $Na_4EDTA \bullet 4H_2O$ 83.2 Wt% as Na_4EDTA 64.0 Wt% as H_4EDTA	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 $Na_2H_2EDTA \bullet 2H_2O$ 89.4 Wt% as Na_2H_2EDTA 77.7 Wt% as H_4EDTA	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 (%)	Applications/Benefits
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.

About Dow Personal Care solutions

Dow Personal Care offers unique, innovative ingredients that empower customers around the world to create products with exceptional performance and exciting benefits that consumers can trust and believe in. Consumers that seek the confidence of a healthy appearance can see and feel the difference in our products through their lustrous hair or radiant and protected skin. We leverage our understanding of customer needs, deep market knowledge and technical expertise—combined with one of the broadest portfolios of technologies—to deliver personal care solutions with outstanding performance that are safe for people and the planet. We foster these innovations on global and local levels to meet the needs of diverse consumers through business centers, research and development (R&D), manufacturing plants and customer applications centers around the world. Please visit **www.dow.com/personalcare** for more information.

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Toll-free for Italy	+ 800 783 825
Toll-free for South Africa	+ 800 99 5078
Fax	+ 32 3 450 2815

From Asia Pacific

Toll-free**	+ 800 7776 7776
Toll call	+ 60 3 7965 5392
Toll-free fax**	+ 800 7779 7779
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From Latin America

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