



Hair Care



Silicone Ingredients For Custom Solutions.

WAUKEGAN, IL | WWW.ANDISIL-PERSONAL-CARE.COM



Custom

Capabilities & Blending

- » Silicones formulated to suit your needs
- » Specialty silicone product line inspired by current market trends
- » Custom blending capabilities offering ease of formulation and cost reduction
- » Full range of cyclics, cyclic blends, dimethicones, and volatile linear fluids for the formulator
- » Top quality service from synthesis to delivery
- » US Manufacturer & Illinois-based warehousing resulting in minimal lead times



Resin Blend Emulsions

Resin Blend Emulsions offer a convenient delivery system for water-based formulations while maintaining the benefits of the Andisil MQ Resin Blends. These benefits include longer wear, wash-off resistance and film-forming benefits in hair care formulations.

TRADE NAME	INCI NAME	APPLICATION
Andisil® EMQ 50CG 60% Resin	Cyclopentasiloxane (and) Trimethylsiloxysilicate (and) Laureth-23 (and) Laureth-4	Recommended for styling applications to provide long lasting benefits
Andisil® EMQ 2350CG 60% Resin	Dimethicone (and) Trimethylsiloxysilicate (and) Laureth-23 (and) Laureth-4	Cyclic free material; recommended for long lasting hold and soft texture
Andisil® EMQ 3250CG 60% Resin	Phenyltrimethicone (and) Trimethylsiloxysilicate (and) Laureth-23 (and) Laureth-4	A high refractive index provides long lasting shine in styling applications; offers superior anti-frizz performance

**Percent resin content or carrier fluid can be customized to meet your specific formulation requirements*

Resin Blends

Silicone Resins offer long lasting benefits in hair care formulations as well as enhanced anti-frizz properties

TRADE NAME	INCI NAME	APPLICATION
Andisil® MQ 50C* 50% Resin	Cyclopentasiloxane (and) Trimethylsiloxysilicate	Recommended for styling applications to provide long lasting benefits
Andisil® MQ 2350* 50% Resin	Dimethicone (and) Trimethylsiloxysilicate	A cyclic free material, recommend for long lasting hold and soft texture
Andisil® MQ 3250* 50% Resin	Phenyltrimethicone (and) Trimethylsiloxysilicate	High refractive index provides long lasting shine in styling applications
Andisil® MQ 3430* 30% Resin	Diphenyl Dimethicone (and) Trimethylsiloxysilicate	Smooth texture that offers long lasting shine; film forming benefits, with a non-volatile carrier
Andisil® MQ 3150* 50% Resin	C13-14 Isoalkane (and) Trimethylsiloxysilicate	Organic carrier that provides texture to the hair



**Percent resin content or carrier fluid can be customized to meet your specific formulation requirements*

Beauty.
In the hands of the
formulator



Emulsifiers

Recommended for a variety of systems including: W/O, O/W, W/Si and Si/W; add a soft, silky feel to the end product

TRADE NAME	INCI NAME	APPLICATION
Andisil® SP 1001	Cetyl PEG/PPG-10/1 Dimethicone	Recommended for hair care formulations as a W/O emulsifier; improves aesthetics and reduces surface tension
Andisil® SP 4409	PEG-9 Dimethicone	Recommended for rinse off conditioners and styling aids. Best for W/O or W/Si formulations where D5 is not acceptable
Andisil® SP 4412	PEG-12 Dimethicone	Recommended for shampoos, conditioners and styling aids. Best for O/W emulsions.

Phenyl Modified Siloxane Fluids

The high refractive index of phenyl siloxanes imparts excellent shine when included in hair care formulations. They also enhance the soft, supple feel of hair, improve the texture of damaged hair, and provide conditioning & heat resistance properties.

TRADE NAME	INCI NAME	APPLICATION
Andisil® PDM 1222* <i>RI 1.4360</i>	Diphenyl Dimethicone	Low viscosity phenyl fluid; recommended for styling aids
Andisil® PTM 34 <i>RI 1.4540</i>	Phenyltrimethicone (and) Dimethiconol	Provides improved film forming properties
Andisil® PTM 20 <i>RI 1.4600</i>	Phenyltrimethicone	Recommended for conditioners & styling treatments. Most commonly utilized phenyl silicone in personal care applications.
Andisil® PDM 1443* <i>RI 1.5050</i>	Diphenyl Dimethicone	Recommended for serums & sprays; highest Refractive Index

**Refractive Index can be customized to meet your specific formulation requirements*

Polyether Copolymers

Emulsifying and co-solubilizing agents for siloxane & organic systems; offer varying hair conditioning properties and HLB values.

TRADE NAME	INCI NAME	APPLICATION
Andisil® SP 4410 <i>HLB: 4.5</i>	PEG-10 Dimethicone	Recommended for hair care formulations where foam booster and humectant are desired
Andisil® SP 4414B <i>HLB: 8.7</i>	Bis-PEG-12 Dimethicone	Recommended for hair care applications where softness, shine and conditioning properties are desired; surface tension reducer
Andisil® SP 4410B <i>HLB: 10.5</i>	Bis-PEG-10 Dimethicone	Recommended for hair care applications in need of soft feel and conditioning properties
Andisil® SP 4414 <i>HLB: 13.0</i>	PEG-12 Dimethicone	Recommended for hair care applications where surface tension reduction is required. Boosts foam to impart a silky, soft, supple texture and improves wet/dry combability without build up after repeated use



Conditioning



Enhance Shine



Improve Texture



Foam Booster

Amodimethicone

TRADE NAME	INCI NAME	APPLICATION
Andisil® AS 220P	Amodimethicone	Recommended for conditioning and styling applications where excellent conditioning and softness are desirable; improves wet and dry combing properties, reduces static and coats the hair shaft, smoothing damaged hair

Amodimethicone Emulsions

Amodimethicone emulsions in water that are easy to formulate into hair care applications. These emulsions offer exceptional conditioning properties and dilution stability. Paraben & Formaldehyde free

TRADE NAME	INCI NAME	APPLICATION
Andisil® EM 39	Amodimethicone (and) Trideceth-12 (and) Cetrimonium Chloride	Recommended for use in shampoos, conditioners & styling aids
Andisil® EM 49	Amodimethicone (and) Cetrimonium Chloride (and) Trideceth-12	Recommended for use in conditioning and styling treatments; does not weigh the hair down; good for dry and color-treated hair

Specialty Emulsions

Recommended for water-based hair care formulations for ease of use; Paraben & Formaldehyde free

TRADE NAME	INCI NAME	APPLICATION
Andisil® EM 350CG	Dimethicone (and) Trideceth-6 (and) Trideceth-12 (and) Isodeceth-32	Recommended for water soluble formulations
Andisil® EP 60,000CG	Dimethiconol (and) TEA-Dodecylbenzenesulfonate	Recommended for shampoos for dry / color-treated hair

Wax

TRADE NAME	INCI NAME	APPLICATION
Andisil® SW 1894 <i>Melting Point 36-42 °C</i>	Bis-PEG-18 Methyl Ether Dimethyl Silane	Recommended for shampoo formulations to boost foam volume and density; water-dispersable dimethicone copolyol wax with low melting point

Beauty.
In the hands of the
formulator



Gum Blends*

Combining volatile siloxanes with high molecular weight gums provides excellent water resistance, ease of formulation, and anti-frizz properties in hair care. Recommended for anhydrous formulations

TRADE NAME	INCI NAME	APPLICATION
Andisil® SF 1505	Cyclopentasiloxane (and) Dimethiconol	Cyclic carrier used in applications where a “light” feel is desired; improves spreadability & wet combing capabilities
Andisil® SF 1605	Cyclohexasiloxane (and) Dimethiconol	Cyclic carrier for applications where D4 and D5 are not desired
Andisil® SF 2205	Dimethicone (and) Dimethiconol	Linear carrier; recommended for leave in treatments; most volatile of the linear carrier gum blends
Andisil® SF 2305	Dimethicone (and) Dimethiconol	Linear carrier; recommended for moisturizing treatments
Andisil® SF 2505	Dimethicone (and) Dimethiconol	Linear carrier; recommended for rinse off applications; least volatile of the linear carrier gum blends
Andisil® SF 3005	Dimethicone (and) C12-15 Alkyl Benzoate (and) Dimethiconol	Recommended for products needing longer play times and improved organic compatibility
Andisil® SF 3105	C13-14 Isoalkane (and) Dimethiconol	Organic volatile carrier for hair serums

*Percent gum and/or carrier fluid can be customized to meet your specific requirements

Gum Blend Emulsions*

Easily added to water-based hair care formulations for improved wet and dry combing and enhanced manageability

TRADE NAME	INCI NAME	APPLICATION
Andisil® EM 1505CG	Cyclopentasiloxane (and) Dimethiconol (and) Laureth-23 (and) Laureth-4	Most volatile of the cyclic-based carrier gum blend emulsions; best option for formulations requiring shortest play times.
Andisil® EM 1605CG	Cyclohexasiloxane (and) Dimethiconol (and) Laureth-23 (and) Laureth-4	Least volatile of the cyclic-based carrier gum blend emulsions; best option for formulations requiring longer play times.
Andisil® EM 2205CG	Dimethicone (and) Dimethiconol (and) Laureth-23 (and) Laureth-4	Most volatile of the linear carrier gum blend emulsions; best option for formulations requiring short play times when cyclic carriers are not desired
Andisil® EM 2305CG	Dimethicone (and) Dimethiconol (and) Laureth-23 (and) Laureth-4	Intermediate volatility of the linear carrier gum blend emulsions
Andisil® EM 2505CG	Dimethicone (and) Dimethiconol (and) Laureth-23 (and) Laureth-4	Least volatile of the linear carrier gum blend emulsions; best option for formulations requiring longer play times when cyclic carriers are not desired



Anti-Frizz



Styling Aids



Wet/Dry Comb



Heat Resistant

Andisil® EM 3005CG	Dimethicone (and) C12-15 Alkyl Benzoate (and) Dimethiconol (and) Trideceth-6 (and) Trideceth-12 (and) Isodeceth-32	Recommended for water-based formulations needing longer play times and improved organic compatibility
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*Percent active silicone content can be customized

Dimethicones

Linear Siloxanes in hair care provide water resistance and improved spreading of actives without weighing the hair down, even at high molecular weights due to low surface tension of silicones

TRADE NAME	INCI NAME	APPLICATION
Andisil® SF - Low Visc. (5 - 200 cSt)	Dimethicone	Recommended for hair care applications where a light silky feel is desired
Andisil® SF - Mid Visc. (350 - 5,000 cSt)	Dimethicone	Recommended to add silky smoothness to hair care formulations
Andisil® SF - High Visc. (10,000 - 600,000 cSt)	Dimethicone	Recommended for formulations where a higher viscosity final product is desired

Cyclic Siloxanes

TRADE NAME	INCI NAME	APPLICATION
Andisil® D5	Cyclopentasiloxane	Most volatile of the cyclic siloxanes
Andisil® D6	Cyclohexasiloxane	Least volatile of the cyclic siloxanes
Andisil® D56	Cyclopentasiloxane (and) Cyclohexasiloxane	Intermediate volatility

Linear Siloxanes

Linear volatile carriers used as delivery agents for hair care actives; good for wet combing

TRADE NAME	INCI NAME	APPLICATION
Andisil® SF 0.65	Disiloxane	Greatest volatility of linear and cyclic siloxanes
Andisil® SF 1	Trisiloxane	Recommended for fast volatility
Andisil® SF 1.5	Dimethicone	Recommended for fast volatility
Andisil® SF 2	Dimethicone	Recommended for medium volatility
Andisil® SF 3.5	Dimethicone	Partial Volatility; potential D5 replacement based on volatility profile

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	APPLICATIONS				BENEFITS				Water Soluble
	Shampoo	Conditioner (leave in)	Conditioner (rinse off)	Styling Treatment	Active Carrier	Anti - Frizz	Conditioning	Cyclic Alternative	
■ Recommended ◆ Highly Recommended									
RESIN BLEND EMULSIONS									
Andisil® EMQ 50CG	Cyclopentasiloxane (and) Trimethylsiloxysilicate (and) Laureth-4								
Andisil® MQ 2350CG	Dimethicone (and) Trimethylsiloxysilicate (and) Laureth-23 (and) Laureth-4								
Andisil® MQ 3250CG	Phenyltrimethicone (and) Trimethylsiloxysilicate (and) Laureth-23 (and) Laureth-4								
RESIN BLENDS									
Andisil® MQ 50C	Cyclopentasiloxane (and) Trimethylsiloxysilicate								
Andisil® MQ 2350	Dimethicone (and) Trimethylsiloxysilicate								
Andisil® MQ 3250	Phenyltrimethicone (and) Trimethylsiloxysilicate								
Andisil® MQ 3430	Diphenyl Dimethicone (and) Trimethylsiloxysilicate								
Andisil® MQ 3150	C13-14 Isoalkane (and) Trimethylsiloxysilicate								
EMULSIFIERS									
Andisil® SP 1001	Cetyl PEG/PPG-10/1 Dimethicone								
Andisil® SP 4409	PEG-9 Dimethicone								
Andisil® SP 4412	PEG-12 Dimethicone								
GUM BLENDS									
Andisil® SF 1505	Cyclopentasiloxane (and) Dimethiconol								
Andisil® SF 1605	Cyclohexasiloxane (and) Dimethiconol								
Andisil® SF 2205	Dimethicone (and) Dimethiconol								
Andisil® SF 2305	Dimethicone (and) Dimethiconol								
Andisil® SF 2505	Dimethicone (and) Dimethiconol								
Andisil® SF 3005	Dimethicone (and) C12-15 Alkyl Benzoate (and) Dimethiconol								
Andisil® SF 3105	C13-14 Isoalkane (and) Dimethiconol								
GUM BLEND EMULSIONS									
Andisil® EM 1505CG	Cyclopentasiloxane (and) Dimethiconol (and) Laureth-23 (and) Laureth-4								
Andisil® EM 1605CG	Cyclohexasiloxane (and) Dimethiconol (and) Laureth-23 (and) Laureth-4								
Andisil® EM 2205CG	Dimethicone (and) Dimethiconol (and) Laureth-23 (and) Laureth-4								
Andisil® EM 2305CG	Dimethicone (and) Dimethiconol (and) Laureth-23 (and) Laureth-4								
Andisil® EM 2505CG	Dimethicone (and) Dimethiconol (and) Laureth-23 (and) Laureth-4								
Andisil® EM 3005CG	Dimethicone (and) C12-15 Alkyl Benzoate (and) Dimethiconol (and) Trideceth-6 (and) Trideceth-12 (and) Isodeceth-32								
AMODIMETHICONE									
Andisil® AS 220P	Amodimethicone								
AMODIMETHICONE EMULSIONS									
Andisil® EM 39	Amodimethicone (and) Trideceth-12 (and) Cetrimonium Chloride								
Andisil® EM 49	Amodimethicone (and) Cetrimonium Chloride (and) Trideceth-12								
PHENYL MODIFIED FLUIDS									
Andisil® PTM 20	Phenyltrimethicone								
Andisil® PTM 34	Phenyltrimethicone (and) Dimethiconol								
Andisil® PDM 1222	Diphenyl Dimethicone								
Andisil® PDM 1443	Diphenyl Dimethicone								
POLYETHER COPOLYMERS									
Andisil® SP 4410	PEG-10 Dimethicone								
Andisil® SP 4410B	Bis-PEG-10 Dimethicone								
Andisil® SP 4414	Bis-PEG-12 Dimethicone								
Andisil® SP 4414B	PEG-12 Dimethicone								
DIMETHICONES									
Andisil® SF Low	Dimethicone								
Andisil® SF Mid	Dimethicone								
Andisil® SF High	Dimethicone								

Recommended <i>Highly Recommended</i>			
		WAX	
		Andisil® SW 1894	Bis-PEG-18 Methyl Ether Dimethyl Silane
		SPECIALTY EMULSIONS	
		Andisil® EM 350CG	Dimethicone (and) Trideceth-6 (and) Trideceth-12 (and) Isodeceth-32
		Andisil® EP 60,000CG	Dimethiconol (and) TEA-Dodecylbenzenesulfonate
		CYCLIC SILOXANES	
		Andisil® D5	Cyclopentasiloxane
		Andisil® D6	Cyclohexasiloxane
		Andisil® D56	Cyclopentasiloxane (and) Cyclohexasiloxane
		LINEAR SILOXANES	
		Andisil® SF 1	Trisiloxane
		Andisil® SF 1.5	Dimethicone
		Andisil® SF 2	Dimethicone
		Andisil® SF 3.5	Dimethicone
APPLICATIONS			
Shampoo			
Conditioner (leave in)			
Conditioner (rinse off)			
Styling Treatment			
BENEFITS			
Active Carrier			
Anti - Frizz			
Conditioning			
Cyclic Alternative			
Dilution Stability			
Ease Of Formulation			
Emulsifier			
Formaldehyde Free			
Foam Booster			
For Dry/Damaged Hair			
Heat Resistance			
Improves Dry Combing			
Improves Wet Combing			
Improves Texture			
Light Residue/Low Build Up			
Paraben Free			
Shine Enhancer			
Soft / Supple Feel			
Surface Tension Reducer			
Water Soluble			

WHO WE ARE

Under our brand, Andisil®, AB Specialty Silicones offers the personal care marketplace an extensive line of silicone based ingredients as well as the ability to custom formulate raw materials *and* blends to specifically suit your needs. Our technically trained, innovative team and global resources enable us to rapidly and efficiently deliver the latest in technology and product development. AB Specialty Silicones offers the highest degree of personal service and flexibility to meet each customer's requirements.

Our Sales, Distribution, Manufacturing and Research & Development services are ISO 9001 certified.

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HEADQUARTERS

3725 Hawthorn Court
Waukegan, IL 60087

CONTACT

Sales & Customer Service
(908) 376-1360

EMAIL

info@andisil-personal-care.com

WEBSITE

www.andisil-personal-care.com

