



Skin 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



PEG-Free Emulsifiers			PEG-Free 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® SE 500	Cyclopentasiloxane (and) TMP Dimethicone	Recommended for W/O emulsions; reduces tackiness and greasiness in sun care and skin care formulations	
Andisil® SE 500C <i>50% Concentrate</i>	Cyclopentasiloxane (and) TMP Dimethicone	Recommended for W/O and W/S emulsions; concentrated emulsifier used in creams, lotions, and sun care	
Andisil® SE 2300	Dimethicone (and) TMP Dimethicone	Recommended as a cyclic free emulsifier for W/O cream and lotion formulations and sun care protection; provides excellent stability and organic compatibility	
Andisil® SE 2300C <i>50% Concentrate</i>	Dimethicone (and) TMP Dimethicone	Cyclic free emulsifier for W/O and W/S emulsions	
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 518	Cyclopentasiloxane (and) PEG/PPG-18/18 Dimethicone	Recommended for W/O emulsions; reduces tackiness and greasiness in sun care and skin care formulations	
Andisil® SP 518C <i>50% Concentrate</i>	Cyclopentasiloxane (and) PEG/PPG-18/18 Dimethicone	Recommended for W/O and W/S emulsions; concentrated emulsifier used in creams, lotions, and sun care	
Andisil® SP 1001	Cetyl PEG/PPG-10/1 Dimethicone	Recommended as an emulsifier for W/O cream and lotion formulations and sun care protection; provides excellent stability and organic compatibility	
Andisil® SP 2318	Dimethicone (and) PEG/PPG-18/18 Dimethicone	Cyclic free emulsifier for W/O and W/S emulsions	
Andisil® SP 2318C <i>50% Concentrate</i>	Dimethicone (and) PEG/PPG-18/18 Dimethicone	Concentrated cyclic free emulsifier for W/O and W/S emulsions used in most skin care applications	
Andisil® SP 4409	PEG-9 Dimethicone	Recommended for use as a W/O or W/Si emulsifier for skin care and make-up formulations	
Andisil® SP 4412	PEG-12 Dimethicone	Recommended in skin care, sun care and make up formulations as a O/W emulsifier; improves aesthetics and reduces surface tension	



Resin Blend Emulsions

Resin Blend Emulsions offer convenient delivery systems 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 skin care formulations.

TRADE NAME	INCI NAME	APPLICATION
Andisil® EMQ 50CG <i>60% Resin</i>	Cyclopentasiloxane (and) Trimethylsiloxysilicate (and) Laureth-23 (and) Laureth-4	Provides long lasting wash off resistance in color cosmetics. Also recommended for a smooth, non-greasy feel
Andisil® EMQ 2350CG <i>60% Resin</i>	Dimethicone (and) Tri-methylsiloxysilicate (and) Laureth-23 (and) Laureth-4	Provides comfortable long wear with a volatile, non-cyclic carrier fluid; leaves a silky finish on the skin. Highly recommended for color cosmetics with the best abrasion and transfer resistance
Andisil® EMQ 3250CG <i>60% Resin</i>	Phenyltrimethicone (and) Trimethylsiloxysilcate (and) Laureth-23 (and) Laureth-4	Long lasting shine with film forming benefits; improves organic compatibility. Recommended for color cosmetics due to good abrasion and transfer resistance

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

Resin Blends

Silicone Resins are essential for longer wear, wash-off resistance and film-forming benefits in skin care formulations

TRADE NAME	INCI NAME	APPLICATION
Andisil® MQ 50C* <i>50% Resin</i>	Cyclopentasiloxane (and) Trimethylsiloxysilicate	Provides long lasting wash off resistance in skin care applications; recommended for smooth, non-greasy feel
Andisil® MQ 2350 <i>50% Resin</i>	Dimethicone (and) Trimethylsiloxysilicate	Provides comfortable long wear with a volatile, non-cyclic carrier fluid; leaves a silky finish on the skin. Highly recommended for color cosmetics with the best abrasion and transfer resistance
Andisil® MQ 5230 <i>30% Resin</i>	Dimethicone (and) Trimethylsiloxysilicate	Film forming benefits with a non-volatile carrier
Andisil® MQ 3250 <i>50% Resin</i>	Phenyltrimethicone (and) Trimethylsiloxysilcate	Long lasting shine with film forming benefits; improves organic compatibility. Recommended for color cosmetics offering good abrasion and transfer resistance
Andisil® MQ 3430 <i>30% Resin</i>	Diphenyl Dimethicone (and) Trimethylsiloxysilicate	Smooth texture that offers long lasting shine; film forming benefits with a non-volatile carrier
Andisil® MQ 3150 <i>50% Resin</i>	C13-14 Isoalkane (and) Trimethylsiloxysilicate	Recommended for a cyclic free and more natural formulations in color cosmetics. Great for smooth application and transfer resistance

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



Film Forming



Spreadability



Softness



Hydration

TRADE NAME	INCI NAME	APPLICATION
Andisil® SW 1894 <i>Melting Point 36-42 °C</i>	Bis-PEG-18 Methyl Ether Dimethyl Silane	Recommended for hydrating formulations providing a smooth and soft feel; good organic compatibility; can provide thickening benefits to formulations where high viscosities are desired

Phenyl Modified Siloxane Fluids

Recommended to increase shine and gloss in color cosmetics; offer excellent compatibility with organic ingredients; utilized for Refractive Index matching in clear skin care formulations

TRADE NAME	INCI NAME	APPLICATION
Andisil® PDM 1222* <i>RI 1.4360</i>	Diphenyl Dimethicone	Recommended for anti-wrinkle cosmetics due to refractive index matching
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 dry, non-oily finish and tack reduction; slows water loss by creating a barrier on the skin; ideal for sun care applications. Most commonly utilized phenyl silicone in Personal Care applications
Andisil® PDM 1443* <i>RI 1.5050</i>	Diphenyl Dimethicone	Recommended for use in color cosmetics where increased refractive index is needed
Andisil® PXL 2450 <i>RI 1.4630</i>	Hydrogen Diphenyl Dimethicone	Recommended for use as a surface treatment modifier in pigment coatings
Andisil® PXL 2460 <i>RI 1.5000</i>	Hydrogen Diphenyl Dimethicone	Recommended for use as a surface treatment modifier in pigment coatings

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

Polyether Copolymers

Used as emulsifying and co-solubilizing agents for siloxane and organic systems

TRADE NAME	INCI NAME	APPLICATION
Andisil® SP 4410 <i>HLB: 4.5</i>	PEG-10 Dimethicone	Recommended for reduced skin irritation and water solubility; recommended for antiperspirants
Andisil® SP 1818 <i>HLB: 7.0</i>	PEG/PPG-18/18 Dimethicone	Recommended for applications that need a surface tension depressant and improved wetting properties
Andisil® SP 4414B <i>HLB: 8.7</i>	Bis-PEG-12 Dimethicone	Recommended for skin care applications where lubricity, softness and conditioning are desired
Andisil® SP 4410B <i>HLB: 10.5</i>	Bis-PEG-10 Dimethicone	Recommended for use with organic compounds to improve surface tension
Andisil® SP 4414 <i>HLB: 13.0</i>	PEG-12 Dimethicone	Provides softness and lubricity to lotions and creams; also used as a surface tension depressant. Improves foam stability and density when foaming is desired

Beauty.
In the hands of the
formulator





Specialty Fluids

TRADE NAME	INCI NAME	APPLICATION
Andisil® FS 105	Trifluoropropyl Dimethicone	Recommended for oil repellency in color cosmetics; lowers surface tension in creams and lotions; low refractive index
Andisil® FSXL 4505	Hydrogen Trifluoropropyl Dimethicone	Recommended for use as a surface treatment modifier for oil repellency in pigment coatings; low refractive index
Andisil® XL 11	Hydrogen Dimethicone	Recommended for use as a surface treatment modifier in pigment coatings; reduces the hydrogen diffusion in formulation
Andisil® MH30	Methicone	Recommended for use as a surface treatment modifier in pigment coatings

Linear Siloxanes

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

Dimethicones

TRADE NAME	INCI NAME	APPLICATION
Andisil® SF - Low Visc. (5 - 200 cSt)	Dimethicone	Recommended for light soft feel in day creams and sun care products
Andisil® SF - Mid Visc. (350 - 5,000 cSt)	Dimethicone	Recommended to add silky smoothness to formulations
Andisil® SF - High Visc. (10,000 - 600,000 cSt)	Dimethicone	Recommended for heavier textures or when thicker film properties are desired

Linear volatile carriers that mimic the properties of cyclic siloxanes. Provide emolliency and water resistance to lotions and creams



Cushion



Long Wear



Emulsifier



Protectant

Gum Blends*

Combining volatile siloxanes with high MW gums provides excellent water resistance, long wear of actives on skin, and a unique skin feel

TRADE NAME	INCI NAME	APPLICATION
Andisil® SF 1505	Cyclopentasiloxane (and) Dimethiconol	Recommended for emolliency in lotions and serums where cyclics are applicable. Added water resistance in sun care products
Andisil® SF 1605	Cyclohexasiloxane (and) Dimethiconol	Provides velvety feel in lotions and creams where cyclics are applicable
Andisil® SF 2205	Dimethicone (and) Dimethiconol	Recommended for smooth application and film forming properties in creams, lotions and serums
Andisil® SF 2305	Dimethicone (and) Dimethiconol	Recommended to improve texture and water resistance in sun care applications where cyclic siloxanes are not used
Andisil® SF 2505	Dimethicone (and) Dimethiconol	Recommended for creams where heavier texture is needed; longer lasting film forming benefits
Andisil® SF 3005	Dimethicone (and) C12-15 Alkyl Benzoate (and) Dimethiconol	Recommended for longer play time applications; provides cascading volatility and strong film forming properties
Andisil® SF 3105	C13-14 Isoalkane (and) Dimethiconol	Recommended for cyclic free and more natural formulations. Best used in day creams and serums

Gum Blend Emulsions*

Provide ease of use in water-based skin care formulations; easy to use format

TRADE NAME	INCI NAME	APPLICATION
Andisil® EM 1505CG	Cyclopentasiloxane (and) Dimethiconol (and) Laureth-23 (and) Laureth-4	Recommended for emolliency in lotions and serums where cyclics are applicable
Andisil® EM 1605CG	Cyclohexasiloxane (and) Dimethiconol (and) Laureth-23 (and) Laureth-4	Provides velvety feel in skin care where cyclics are applicable
Andisil® EM 2205CG	Dimethicone (and) Dimethiconol (and) Laureth-23 (and) Laureth-4	Recommended for smooth application and feel; non-cyclic blend
Andisil® EM 2305CG	Dimethicone (and) Dimethiconol (and) Laureth-23 (and) Laureth-4	Recommended to improve texture in sun care and creams
Andisil® EM 2505CG	Dimethicone (and) Dimethiconol (and) Laureth-23 (and) Laureth-4	Recommended for night creams and heavier textures
Andisil® EM 3005CG	Dimethicone (and) C12-15 Alkyl Benzoate (and) Dimethiconol (and) Trideceth-6 (and) Trideceth-12 (and) Isodeceth-32	Recommended for cascading volatility and longer play times.

*Percent active silicone content can be customized to meet your specific formulation requirements

Beauty.
In the hands of the
formulator



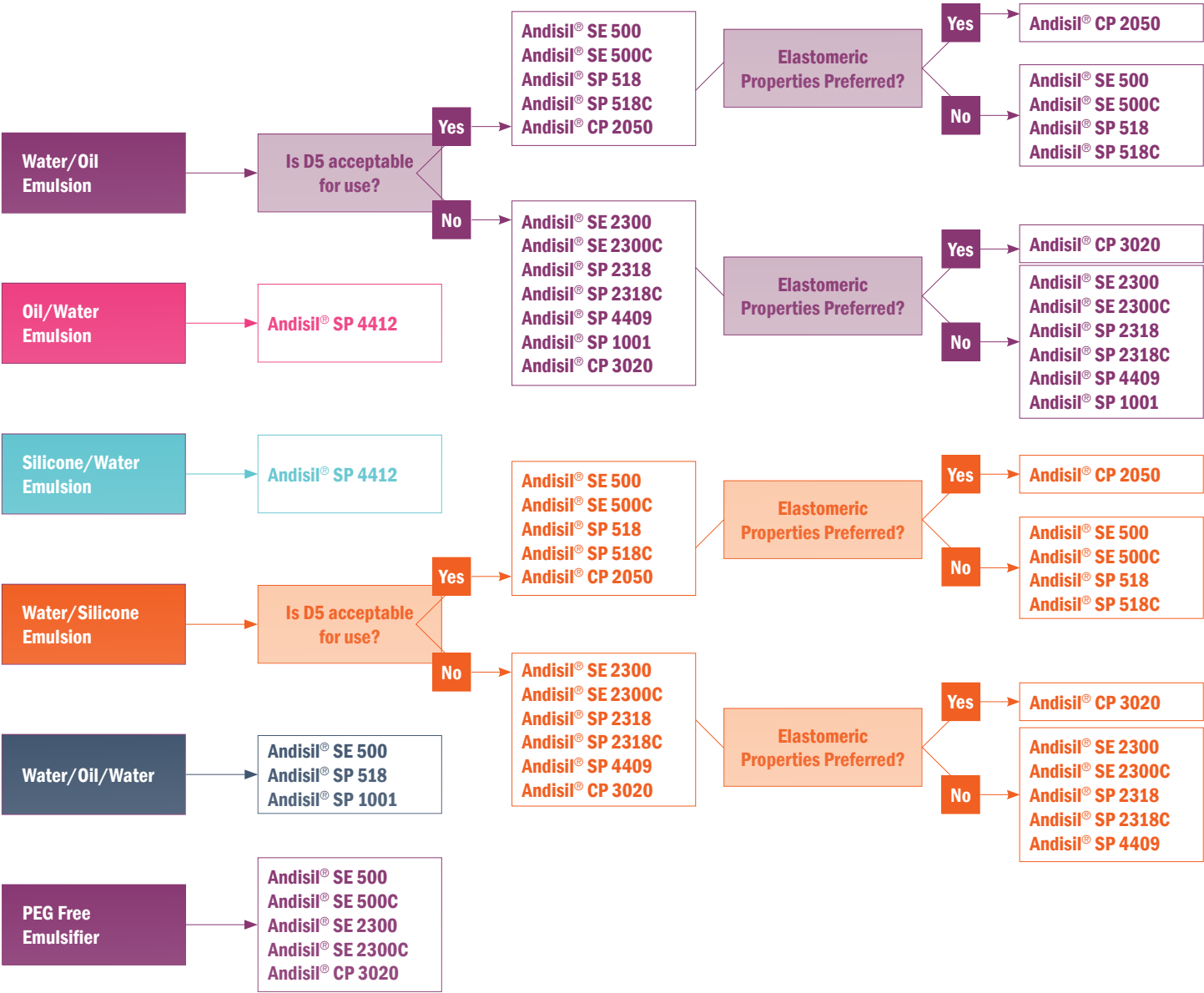
SelectionGuide

Skin Care

[illegible]

■ Recommended ◆ Highly Recommended		CYCLIC SILOXANES			DIMETHICONES			EMULSIFIERS		
		Andisil® D5	Andisil® D6	Andisil® D56	Andisil® SF Low Visc.	Andisil® SF Mid Visc.	Andisil® SF High Visc.	Andisil® SP 518	Andisil® SP 518C	Andisil® SP 1001
		Cyclopentasiloxane	Cyclohexasiloxane	Cyclopentasiloxane (and) Cyclohexasiloxane	Dimethicone	Dimethicone	Dimethicone	Cyclopentasiloxane (and) PEG/PPG-18/18 Dimethicone	Cyclopentasiloxane (and) PEG/PPG-18/18 Dimethicone	Cetyl PEG/PPG-10/1 Dimethicone
										Dimethicone (and) PEG/PPG-18/18 Dimethicone
APPLICATIONS										
Antiperspirant / Deodorant		◆	◆	◆	◆			◆	◆	◆
Cleansers		◆	◆	◆	◆	■				
Creams		◆	◆	◆	◆	◆	◆	◆	◆	■
Color Cosmetics		◆	◆	◆	■	◆	■	◆	◆	◆
Lotions		◆	◆	◆	◆	◆	■	◆	◆	◆
Serums		■	■	■		◆	◆			■
Sun Care		◆	◆	◆	◆	◆	■	◆	◆	◆
Shaving		◆	◆	◆	■	■	■			■
BENEFITS										
Cushion							■			
Cyclic Alternative										
Emulsifier								◆	◆	◆
Film Forming Properties							■			
Foam Stabilization										
Long Wear										
Lubrication		■	■	■	◆	◆	◆			
Moisturizing					■	◆	◆			
Oil Repellency										
Organic Compatibility										◆
Skin Protectant						◆	◆			
Spreadability		◆	◆	◆	◆	◆	■	◆	◆	◆
Suitable For Clear Formulations		◆	◆	◆	◆	◆	◆			◆
Suitable For Pigment Coatings										
Tack Reduction		■	■	■	■	◆	■	◆	◆	◆
Transfer Resistance										
Wash Off Resistance						■	■			
Water Repellency					■	■	◆			
Wetting Agent										■
Water Solubility										

Emulsifier Decision Tree



Water/Oil | Emulsion with water as the internal phase and organic oil as the external phase

Oil/Water | Emulsion with organic oil as the internal phase and water as the external phase

Silicone/Water | Emulsion with silicone as the internal phase and water as the external phase

Water/Silicone | Emulsion with water as the internal phase and silicone as the external phase

Water/Oil/Water | Multiple emulsion with 3 phases, water in organic oil in water

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.

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

Beauty.
In the hands of the
formulator

