



## PERSONAL CARE

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### SILICONE PRODUCTS

Amodimethicone Emulsions

Amodimethicones

Dimethicones & Cyclomethicones

Dimethicone Emulsions

Gum/Volatile Blends

Dimethicone Crosspolymer Gels





INTRODUCTION TO ICM PRODUCTS

At ICM, we provide superior silicone solutions to meet the ever growing demands of the personal care industry for the 21<sup>st</sup> century. Our unparalleled versatility allows for rapid technical solutions for efficient and speedy delivery to your global markets. Silkier creams, higher gloss shampoos and conditioners, environmentally friendly materials, brighter color cosmetics and improved water resistant sunscreen are only a few of the ways that we are applying our customization abilities to assist customers around the world in creating new product breakthroughs with superior performance. With unique formulas and a world-class development team, ICM leads the market in helping customers commercialize competitively priced products faster.

ICM BENEFITS

- Over 100 Years experience
- Custom silicone manufacturer
- Rapid production capabilities
- Better preforming silicone solutions
- Research & development
- Willing & able technical expertise
- Unmatched customer service
- Global presence

SOLUTIONS  
BEYOND CHEMISTRY



For more information on how ICM can help you to meet your specific goals, contact our technical support 269.445.0847 or visit us online at [icmproducts.com](http://icmproducts.com).

DIMETHICONE CROSSPOLYMER GELS



Applications	Skin Care, Hair Care, Styling Products, Sun Products, Facial Masks, Clear Gels, Mascara & Cuticle Coats	
Benefits	Dry Smooth & Silky Light	Good Processing
	Feel	Non-greasy
	No Tack	Excellent Clarity
	Powder Effect on Skin	Non-clumping
	Easily Dispersed	

PRODUCT	INCI NAME	% SOLID	CYCLIC FREE	D4 FREE	NOTES
ICM 8043	Cyclopentasiloxane, Dimethicone/Vinyl Dimethicone Crosspolymer	5%		Yes	Ultra smooth, non-tacky, exquisite feel with higher clarity than the competition. Carried in D5.
ICM 8055	Dimethicone, Dimethicone/Vinyl Dimethicone Crosspolymer	5%	Yes	Yes	Ultra smooth, non-tacky, exquisite feel, highly dispensible with higher clarity than the competition. Carried in linear dimethicone.
ICM 8094	Isododecane, Dimethicone/Vinyl Dimethicone Crosspolymer	5%	Yes	Yes	Ultra smooth, non-tacky, exquisite feel with higher clarity than the competition. Carried in organic.
ICM 8039	Cyclopentasiloxane, Dimethicone Crosspolymer	12%		Yes	Ultra smooth, non-tacky, exquisite feel with higher clarity than the competition. Carried in D5.

Shelf Life | 1 year from shipment if stored in unopened original container



Silicone gels are cross linked silicone polymers in a cosmetic grade carrier. These materials differ in the degree they are crosslinked, structure of the elastomer, gel content and the carrier used. These unique products give superior skin feel, are excellent carriers for many different actives and can be used in skin care, hair care, styling products, sun products, facial masks, clear gels and mascara & cuticle coats. Custom blends are available on request. ICM prides itself on having the clearest, most dispensible (non-clumping/non-balling) crosspolymer gels on the market today. We have produced over 50 custom gels to suite our customers, and look forward to working with you on your next crosspolymer request.





PERSONAL CARE	AMODIMETHICONES	
Applications	Hair Care & Skin Care	
Benefits	Wave Set	Conditioning
	Styling Gel	Sun Screen
	Detangling	Silky Soft Feel

PRODUCT	INCI NAME	VISCOSITY (cSt)	AMINE NUMBER
ICM 8726	Amodimethicone	150	25
ICM 8721	Amodimethicone	150	40
ICM 8724	Amodimethicone	50	80

Shelf Life | 1 year from shipment if stored in unopened original container

FORMULAS FOR SUCCESS

Amino silicone fluids are dimethyl silicone fluids with varying degrees of amino functional substitution. This amino substitution allows formulators to build longevity into hair care and skin care applications. ICM has custom made over 100 aminofluids, and these specialty materials are competitively priced to compete with standard market aminosilicones.

PERSONAL CARE	AMODIMETHICONE EMULSIONS	
Applications	Hair Care & Skin Care	
Benefits	Water Soluble	No Build Up On Hair
	Shine	Improves Compatibility
	Volume	



PRODUCT	INCI NAME	% SOLIDS	CYCLIC FREE	D4 FREE	SURFACTANT CHARGE	NOTES
ICM 8928	Propoxytetramethyl piperdiny dimethicone, Trideceth-6, C11-15 Pareth 7	20%	Yes	Yes	Nonionic	Nearly transparent microemulsion of an amine-functional silicone polymer. Industry leading performance, stability, & clarity
ICM 8949	Amodimethicone, Trideceth-12 & Cetrimonium Chloride	38%			Cationic	Industry standard amodimethicone emulsion
ICM 8950	Amodimethicone, Trideceth-12 & Cetrimonium Chloride	50%	Yes	Yes	Cationic	Cyclic-free version of industry standard amodimethicone emulsion
ICM 8970	Amodimethicone, Dimethicone, Trideceth-6 & Trideceth-12	50%	Yes	Yes	Nonionic	High actives level hair and skin care amodimethicone & dimethicone hybrid emulsion

Shelf Life | 1 year from shipment if stored in unopened original container

Amino silicone emulsions are emulsions of dimethyl silicone fluids that have amino functional substitution. This amino substitution allows formulators to build longevity into hair care and skin care applications while the emulsion allows the formulator to use these products directly in water base formulations. **For assistance in formulating aminosilicone emulsions into your cosmetic formulations, please contact our technical staff at 269.445.0847 today.**



PERSONAL CARE

DIMETHICONES

PRODUCT	INCI NAME	SPEC GRAVITY	VISCOSITY (CST)
ICM SF 0.65	Dimethicone	0.76	0.65
ICM SF 1	Dimethicone	0.82	1
ICM SF 1.5	Dimethicone	0.85	2
ICM SF 2	Dimethicone	0.87	2
ICM SF 5	Dimethicone	0.931	5
ICM SF 10	Dimethicone	0.94	10
ICM SF 20	Dimethicone	0.945	20
ICM SF 50	Dimethicone	0.96	50
ICM SF 100	Dimethicone	0.968	100
ICM SF 200	Dimethicone	0.969	200
ICM SF 350	Dimethicone	0.97	350
ICM SF 500	Dimethicone	0.97	500
ICM SF 1000	Dimethicone	0.971	1,000
ICM SF 5000	Dimethicone	0.972	5,000
ICM SF 10,000	Dimethicone	0.97	10,000
ICM SF 12,500	Dimethicone	0.97	12,500
ICM SF 30,000	Dimethicone	0.97	30,000
ICM SF 60,000	Dimethicone	0.97	60,000
ICM SF 100,000	Dimethicone	0.97	100,000
ICM SF 300,000	Dimethicone	0.97	300,000
ICM SF 600,000	Dimethicone	0.97	600,000
ICM SF 1,000,000	Dimethicone	0.97	1,000,000

Shelf Life | 2 years from shipment if stored in unopened original container

Dimethyl silicone fluids are available in viscosities ranging from one to one million. Dimethyl silicone fluids are colorless, clear and odorless. These fluids are ideal for use in creams, lotions and hair care products. Low viscosity dimethyl silicones can also be used as carriers in hair and skin care formulations. **Please contact ICM for custom fluid requests that are outside our listed offerings. 269.445.0847**

PERSONAL CARE

DIMETHICONE EMULSIONS

Applications	Milky Lotions, Creams, Sunscreens, Conditioners & Shampoos	
Benefits	Conditioning Effect	Low Cost
	Compatibility	Shine
	Soft Feel to Skin	Volume
	High Gloss to Hair	Silkiness

PRODUCT	INCI NAME	% SOLIDS	CYCLIC FREE	D4 FREE	NOTES
ICM 8142	Isododecane, Dimethicone/Vinyl Dimethicone Crosspolymer, Laureth-7	12%	Yes	Yes	Unique crosspolymer emulsion
ICM 8169	Dimethicone, Laureth-4, Laureth-23	12%	Yes	Yes	Highest vise cyclic-free emulsion lotions, sunscreens and haircare
ICM 8170	Dimethicone, Trideceth-6, Trideceth-12	60%	Yes	Yes	World-class fine partical emulsion for hard-to-formulate systems
ICM 8178	Dimethiconol, Tea-Dodecylbenzene-Sulfonate	50%			Ultra high (1mm CST) viscosity emulsion for long lasting skin & haircare
ICM 8195	Phenyl Trimethicone, Dimethicone, Laureth-7	45%	Yes	Yes	Phenyl fluid adds high end extreme gloss, ultra high refractive index

Shelf Life | 1 year from shipment if stored in unopened original container

Polydimethylsiloxane emulsions are polydimethyl silicone polymers emulsified with surfactants in water. These easy-to-use emulsions enable formulators to incorporate high molecular weight silicone polymers into water base products giving the benefits of silicone polymers with water dispersability. Dimethyl emulsions range in silicone content from 35% - 60%. Typical uses include lotions, creams, sunscreens, conditioners and shampoos. ICM specializes in making the industries most stable, customizable emulsions. **We can assist in designing the emulsion that you need for your cosmetic application rapidly after a phone call 269.445.0847. Just ask for technical support.**

Time is nature's great equalizer, but with our specialty silicones you can enhance the personal care products that you formulate with sensory qualities that last longer and transfer less. By using a film former as a surface modifier to improve water resistance you can boost the performance and the longevity of your creams, lotions and sunscreens. Our unique formulas provide maximum versatility and superior performance with rapid production times. Visit us at [icmproducts.com](http://icmproducts.com) to see how we can help you outpace the competition.





PERSONAL CARE	GUM / VOLATILE BLENDS
Applications	Skin Care, Hair Care, Suncare & Deodorants
Benefits	Velvet Feel Hair Conditioning Water Wash Out Resistance Enhance Shine

PRODUCT	INCI NAME	% SOLID	VISCOSITY (CST)	CYCLIC FREE	D4 FREE	NOTES
ICM 8545	Cyclopentasiloxane, Dimethiconol	15	5000		Yes	Industry leading clarity & purity delivered in a D4 free package
ICM 8546	Dimethicone, Isododecane, Dimethiconol	15	5000	Yes	Yes	Cyclic-free gum blend with silicone and organic carrier
ICM 8547	Dimethicone, Dimethiconol	15	5000	Yes	Yes	Cyclic-free gum blend with silicone carrier
ICM 8502	Cyclopentasiloxane, Dimethicone, Phenyl Trimethicone & Amodimethicone	18	8000			High-end final hair serum formulation with improved feel and wash-out resistance

Shelf Life | 1 year from shipment if stored in unopened original container



PERSONAL CARE	CYCLOMETHICONES
Applications	Deodorants, Hair Products, Creams, Lotions, Suntan Products & Nail Polish
Benefits	Soft Feel Wetting Effect No Oil Residue Nongreasy Compatibility

PRODUCT	INCI NAME	FLASH POINT
ICM SF-VV	Cyclotetrasiloxane	131°F / 55°C
ICM SF-V	Cyclotetrasiloxane & Cyclopentasiloxane	131°F / 55°C
ICM SF-V(5)	Cyclopentasiloxane	171°F / 78°C
ICM SF-V(6)	Cyclohexasiloxane	199°F / 93°C
ICM SF-VL	Cyclopentasiloxane & Cyclohexasiloxane	171°F / 78°C
ICM 8515	Cyclopentasiloxane & Cyclotetrasiloxane	131°F / 55°C

Shelf Life | 2 years from shipment if stored in unopened original container



SOLUTIONS SQUARED

Introducing high molecular weight dimethicone and dimethiconol gums dispersed a variety of carriers to fit the application. These blends are designed to give cosmetic formulators maximum flexibility when preparing products for Skin Care, Hair Care, Suncare & Deodorants. As with all ICM's offerings custom blends are available upon request.



## PERSONAL CARE SELECTOR GUIDE

Product	INCI Name	Hair Care				Skin Care				Physical Attributes									
		Shampoo	Conditioner	Styling		Creams	Color	Wash &	Deodorant	Smooth	Dry	Superior	Reduced	Condition-	Rapid	Superior	Superior	Film	
			rinse-off				leave-on	Cosmetics											Shower
Cyclomethicones																			
ICM SF-VV	Cyclotetrasiloxane		●	●	●		●	●		●		●	●	●		●			
ICM SF-V	Cyclotetrasiloxane & Cyclopentasiloxane		●	●	●		●	●		●		●	●	●		●			
ICM SF-(V5)	Cyclopentasiloxane		●	●	●		●	●	●	●		●	●	●		●			
ICM SF-(V6)	Cyclohexasiloxane		●	●	●		●	●	●	●		●	●	●		●			
ICM SF-VL	Cyclopentasiloxane & Cyclohexasiloxane		●	●	●		●	●	●	●		●	●	●		●			
ICM 8515	Cylopentasiloxane & Cyclotetrasiloxane		●	●	●		●	●		●		●	●	●		●			
Dimethicones																			
ICM SF 5	Dimethicone		●	●	●		●	●	●		●		●	●		●		●	
ICM SF 100	Dimethicone		●	●	●		●	●	●		●		●	●		●		●	
ICM SF 350	Dimethicone		●	●	●		●	●	●		●		●	●		●		●	
ICM SF 12,500	Dimethicone	●	●	●			●	●	●		●		●	●		●		●	
ICM SF 600,000	Dimethicone	●	●	●			●	●	●		●		●	●		●		●	
Dimethicone Emulsions																			
ICM 8142	Isododecane, Dimethicone/Vinyl Dimethicone Crosspolymer, Laureth-7	●	●	●			●		●		●	●	●	●	●		●	●	
ICM 8169	Dimethicone, Laureth-4, Laureth-23	●	●	●			●		●		●		●	●	●				
ICM 8170	Dimethicone, Trideceth-6, Trideceth-12	●	●	●			●		●		●		●	●	●				
ICM 8178	Dimethiconol, TEA-Dodecylbenzene Sulfonate	●	●				●		●		●		●	●	●				
ICM 8195	Phenyl Trimethicone, Dimethicone, Laureth-7	●	●	●			●		●		●		●	●	●		●	●	
Amodimethicones																			
ICM 8721	Amodimethicone	●	●	●	●		●		●						●		●	●	●
ICM 8724	Amodimethicone	●	●	●	●		●		●						●		●	●	●
ICM 8726	Amodimethicone	●	●	●	●		●		●						●		●	●	●
Amodimethicone Emulsions																			
ICM 8928	Propoxytetramethyl piperdiny l dimethicone, Trideceth-6, C11-15 Pareth 7	●	●	●	●		●	●	●		●		●	●	●		●	●	●
ICM 8949	Amodimethicone, Trideceth-12, Centrimonium Chloride	●	●	●	●		●		●				●	●	●		●	●	●
ICM 8950	Amodimethicone, Trideceth-12, Centrimonium Chloride	●	●	●	●		●		●				●	●	●		●	●	●
ICM 8970	Amodimethicone, Dimethicone, Trideceth-6, Trideceth-12	●	●	●	●		●		●				●	●	●		●	●	●
Gum Blends																			
ICM 8502	Cyclopentasiloxane, Dimethicone, Phenyl Trimethicone, Amodimethicone		●	●	●		●	●	●		●	●	●	●	●		●	●	●
ICM 8545	Cyclopentasiloxane, Dimethiconol		●	●	●		●	●	●		●	●	●	●		●	●	●	●
ICM 8546	Dimethicone, Isododecane, Dimethiconol		●	●	●		●	●	●		●	●	●	●	●	●	●	●	●
ICM 8547	Dimethicone, Dimethiconol		●	●	●		●	●	●		●	●	●	●		●	●	●	●
Dimethicone Crosspolymer Gels																			
ICM 8039	Cyclopentasiloxane, Dimethicone Crosspolymer		●	●	●		●	●			●	●	●	●	●		●	●	
ICM 8043	Cyclopentasiloxane, Dimethicone/Vinyl Dimethicone Crosspolymer		●	●	●		●	●			●	●	●	●	●		●	●	
ICM 8055	Dimethicone, Dimethicone/Vinyl Dimethicone Crosspolymer		●	●	●		●	●			●	●	●	●	●		●	●	
ICM 8094	Isododecane, Dimethicone/Vinyl Dimethicone Crosspolymer		●	●	●		●	●			●	●	●	●	●	●	●	●	



For more information on how ICM can help you to meet your specific goals, contact our technical support

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