

ICM Products

personal care

BACKGROUND ON ICM PRODUCTS...

Established in 1989 by Ken Charboneau

Ken background prior to starting ICM

4 years at Dow Chemical Process Engineering & Product Development

***10 years at Dow Corning in Product Development with Expertise in
silicone polymers and emulsions.***

11 years at Mazer Chemical as National Sales & Technical Service Mgr

ICM Products' HQ and manufacturing is located in Cassopolis, MI

(just northeast of South Bend, IN)

75,000 Sq Ft of manufacturing & warehouse space

Indoor Bulk Loading and Storage Facility

Solvent Handling Capabilities

100,000 gallons of Manufacturing Capacity

High Pressure (> 8,000 psi) homogenization equipment

High Shear mixing capabilities

Expertise in Silicone Polymers, Defoamers, and Specialty Silicone Emulsions

Silicone Polymer Manufacturing Expertise (Organofunctional)

Mechanical Emulsions

Emulsion Polymerization



ICM Products, 805 Wolfe Avenue, Cassopolis, MI 49031

phone: 269-445-0847, fax: 269-445-2199, icmproducts@verizon.net

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DIMETHYL SILICONES

Applications: Creams, Lotions, Conditioners, Etc.

<i>Product Name</i>	<i>INCI Name</i>	<i>typical properties:</i>		<i>Benefits</i>
		<i>Specific Gravity</i>	<i>Viscosity</i>	
ICM SF 0.65	Dimethicone	1	0.65	<i>water repellent, no odor, soft feel, skin protectant, silkiness, shine, volume, conditioning effect</i>
ICM SF 1	Dimethicone	1	1.0	
ICM SF 1.5	Dimethicone	1	1.5	
ICM SF 2	Dimethicone	1	2	
ICM SF 5	Dimethicone	1	5	
ICM SF 10	Dimethicone	1	10	
ICM SF 20	Dimethicone	1	20	
ICM SF 50	Dimethicone	1	50	
ICM SF 100	Dimethicone	1	100	
ICM SF 200	Dimethicone	1	200	
ICM SF 350	Dimethicone	1	350	
ICM SF 500	Dimethicone	1	500	
ICM SF 1000	Dimethicone	1	1,000	
ICM SF 5000	Dimethicone	1	5,000	
ICM SF 10,000	Dimethicone	1	10,000	
ICM SF 12,500	Dimethicone	1	12,500	
ICM SF 30,000	Dimethicone	1	30,000	
ICM SF 60,000	Dimethicone	1	60,000	
ICM SF 100,000	Dimethicone	1	100,000	
ICM SF 300,000	Dimethicone	1	300,000	
ICM SF 600,000	Dimethicone	1	600,000	
ICM SF 1,000,000	Dimethicone	1	1,000,000	

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



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VOLATILE SILICONES

Applications: Deodorants, Hair Products, Creams, Lotions, Suntan Products & Nail Polish

<i>Product Name</i>	<i>INCI Name</i>	<i>typical properties: Flash Point</i>	<i>Benefits</i>
ICM SF-VV	Cyclomethicone	131F	<i>soft feel, wetting effect, no oil residue, non-greasy, compatability</i>
INC SF-V	Cyclomethicone	131F	
ICM SF-V(5)	Cyclopentasiloxane	171F	
ICM SF-VL	Cyclomethicone	171F	
ICM 8515	Cyclomethicone	131F	

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AMINO SILICONE FLUIDS

Applications: Hair Care & Skin Care

<i>Product Name</i>	<i>INCI Name</i>	<i>Viscosity @ 25C</i>	<i>typical properties: Spec Gravity</i>	<i>Benefits</i>
ICM SF 123	Amodimethicone	50	0.98	<i>wave set, styling gel, detangling, conditioning, sun screen, silky soft feel</i>
ICM SF 124	Amodimethicone	25	0.98	
ICM 721P	Amodimethicone	300	0.97	
ICM 722P	Amodimethicone	500	0.97	
ICM 723P	Amodimethicone	1200	0.97	
ICM 724P	Amodimethicone	50	0.97	
ICM 726P	Amodimethicone	400	0.98	

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DIMETHYL SILICONE EMULSIONS

Applications: Milky Lotions, Creams, Sunscreens, Conditioners & Shampoos

<i>typical properties:</i>				
<i>Product Name</i>	<i>Appearance</i>	<i>% Solids</i>	<i>Emulsifier Type</i>	<i>Benefits</i>
ICM 346	Bluish White/ Creamy	60%	350 cstk. dimethyl polysiloxane fluid	<i>conditioning effect, compatability, soft feel to skin, high gloss to hair, low cost, shine, volume, silikness</i>
ICM 1670E	Bluish White/ Creamy	60%	350 cstk. dimethyl polysiloxane fluid	
ICM EM 100(55)	Bluish White/ Creamy	55%	100 cstk. dimethyl polysiloxane fluid.	
ICM EM 350 FGK	Bluish White/ Creamy	35% or 60%	350 cstk. dimethyl polysiloxane fluid	
ICM EM 1000(60)	Bluish White/ Creamy	60%	1000 cstk. dimethyl polysiloxane fluid	
ICM EM 10,000	Bluish White/ Creamy	35%, 50%, or 60%	10,000 cstk. dimethyl polysiloxane fluid	
ICM EM 60,000	Bluish White/ Creamy	40%	60,000 cps dimethyl polysiloxane fluid	
ICM EM 100,000	Bluish White/ Creamy	40%	100,000 cstk. dimethyl polysiloxane fluid	
ICM EM 1,000,000	Bluish White/ Creamy	38%	1,000,000 cstk dimethyl polysiloxane fluid	

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AMINO SILICONE EMULSIONS

Applications: Hair care & Skin care

<i>typical properties:</i>				
<i>Product Name</i>	<i>INCI Name</i>	<i>% Solids</i>	<i>Emulsifier Type</i>	<i>Benefits</i>
ICM 1929	Amodimethicone & Trideceth-12 & Cetrimonium Chloride	35%	cationic emulsion of amino-functional polydimethyl-siloxanes	<i>water soluble, shine, volume, no build up on hair, improves compatability</i>
ICM 1939	Amodimethicone & Trideceth-12 & Cetrimonium Chloride	35%	cationic emulsion of amino-functional polydimethyl-siloxanes	
ICM 1949A	Amodimethicone & Trideceth-12 & Cetrimonium Chloride	35%	cationic emulsion of amino-functional polydimethyl-siloxanes	
ICM 2096C	Amodimethicone & Trideceth-12 & Cetrimonium Chloride	39%	cationic emulsion of amino-functional polydimethyl-siloxanes	
ICM 2153	Amodimethicone & Trideceth-12 & Cetrimonium Chloride	35%	cationic emulsion of amino-functional polydimethyl-siloxanes	

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GUM/VOLATILE BLENDS

Applications: Skin Care, Hair Care, Suncare & Deodorants,

typical properties:

<i>Product Name</i>	<i>INCI Name</i>	<i>Viscosity @ 25C Sp3 @ 12rpm</i>	<i>Non-Volatile Content %</i>	<i>Benefits</i>
ICM 1566A	Cyclomethicone & Dimethicone	550	14	<i>velvet feel, hair conditioning, water wash out, resistance, enhance shine</i>
ICM 1689	Cyclomethicone & Dimethicone	4500	15	
ICM 2548	Cyclomethicone & Dimethicone	4500	15	
ICM 2638	Dimethicone	4000	99+	
ICM 2650	Dimethicone & Dimethiconol	1000	99+	
ICM 2684	Cyclomethicone & Dimethicone	4000	15	

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POLYETHER MODIFIED SILICONES

Applications: Hair Care, Skin Lotions, Shaving Products & Shampoos

Product Name	INCI Name	typical properties:			Benefits
		Viscosity (cps)	HLB*	Cloud Point	
ICM 1501C	Dimethicone Copolyol	2500	11.2	105	<i>soluble in water, good foam builder, non-irratant, silky soft feel to hair, good emulsifier</i>
ICM 1502	Dimethicone Copolyol	150	7.0	Not soluble	
ICM 1507	Dimethicone Copolyol	20	5.0	Not soluble	
ICM 1508	Dimethicone Copolyol	35	7.0	Not soluble	
ICM 1509	Dimethicone Copolyol	40	11.8	138	
ICM 1510	Dimethicone Copolyol	1500	11.0	102	
ICM 1511	Dimethicone Copolyol	450	12.5	190	
ICM 1512	Dimethicone Copolyol	400	12.0	180	
ICM 1513	Dimethicone Copolyol	300	9.0	70	
ICM 1516	Dimethicone Copolyol	400	4.0	Not soluble	
ICM 1518	Dimethicone Copolyol	200	11.0	125	
ICM 1519	Dimethicone Copolyol	300	11.4	142	
ICM 1520	Dimethicone Copolyol	400	11.7	160	
ICM 1521	Dimethicone Copolyol	1500	10.8	100	

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*HLB is Hydrophylic-Lipophylic Balance



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SILICONE GELS

Application: Skin Care, Hair Care, Styling Products, Sun Products, Facial Masks, Clear Gels, Mascaras & Cuticle Coats

typical properties:

<i>Product Name</i>	<i>INCI Name</i>	<i>Appearance</i>	<i>Viscosity / Solids Polymer</i>	<i>Benefits</i>
ICM 1894	Cyclomethicone & Dimethicone Crosspolymer	Clear Liquid to Slightly Hazy Gel	500,000 / 5	<i>dry smooth and silky light feel, no tack, powder effect on skin, instant rub-out, good processing, non-greasy, slightly translucent, dry-powder</i>
ICM 2221	Cyclomethicone & Dimethicone Crosspolymer	Clear Liquid to Slightly Hazy Gel	500,000 / 4.5	
ICM 2418	Cyclomethicone & Dimethicone Crosspolymer & Dimethicone	Off-White Gel	1,200,000 / 11	
ICM 2538	Dimethicone & Cyclomethicone & Dimethicone Crosspolymer	Clear Liquid to Slightly Hazy Gel	1,500,000 / 5	
ICM 2555	Dimethicone & Dimethicone Crosspolymer	Clear Liquid to Slightly Hazy Gel	500,000 / 5.0	
ICM 2627D	Cyclomethicone & Dimethicone Crosspolymer	Clear Liquid to Slightly Hazy Gel	400,000 / 14	
ICM 2660	Cyclomethicone & Dimethicone Crosspolymer	Clear Liquid to Slightly Hazy Gel	1,700,000 / 16	
ICM 2674B	Cyclomethicone & Dimethicone & Dimethicone Crosspolymer	Clear Liquid to Slightly Hazy Gel	500,000 / 5	

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