



Low Cyclic Siloxane Alternatives

Selection Guide for Personal Care

At Dow, we continue to innovate and invest in technologies to bring safe, performance enhancing, and sustainable materials. Collaboration will continue to be at the forefront as we strive to anticipate customer needs and provide sustainable innovations in compliance with all legal requirements in a variety of countries. We currently have a range of products which can be considered when formulating finished products with low cyclics level (contain less than 0.1% D4, D5 and D6). These options enable customers to continue to deliver high performing materials and support product performance claims via the unique effects achieved with silicone chemistry.

For questions and additional information, contact your Dow representative.

Family	Product	INCI	Potential or Suggested Alternative	Alternative INCI
Fluid	XIAMETER™ PMX-200 Fluid 5 cSt	Dimethicone	XIAMETER™ PMX-200 Fluid, 6 cSt	Dimethicone
	XIAMETER™ PMX-0245 Cyclopentasiloxane	Cyclopentasiloxane	XIAMETER™ PMX-200 Silicone Fluid [1.0, 1.5 or 2 cSt] or blend of products	Dimethicone
	XIAMETER™ PMX-0246 Cyclohexasiloxane	Cyclohexasiloxane (and) Cyclopentasiloxane	XIAMETER™ PMX-200 Silicone Fluid [1.0, 1.5 or 2 cSt] or blend of products	Dimethicone
	XIAMETER™ PMX-0345 Fluid	Cyclopentasiloxane (and) Cyclohexasiloxane	XIAMETER™ PMX-200 Silicone Fluid [1.0, 1.5 or 2 cSt] or blend of products	Dimethicone
	XIAMETER™ PMX-1184 Fluid	Dimethicone (and) Trisiloxane	DOWSIL™ 1184 LC Fluid	Dimethicone (and) Trisiloxane
	DOWSIL™ BY 11-040	Cyclopentasiloxane (and) Dimethicone	DOWSIL™ 1184 LC Fluid	Dimethicone (and) Trisiloxane

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Gum Blend	XIAMETER™ PMX-1401 Fluid	Cyclopentasiloxane (and) Cyclotetrasiloxane (and) Dimethicone	DOWSIL™ Branded Gum Blends	Various Dimethiconols
	XIAMETER™ PMX-1403	Dimethicone and Dimethiconol	DOWSIL™ Branded Gum Blends	Various Dimethiconols
	XIAMETER™ PMX-1411 Fluid	Cyclopentasiloxane (and) Dimethicone	DOWSIL™ Branded Gum Blends	Various Dimethiconols
	XIAMETER™ PMX-1501 Fluid	Cyclopentasiloxane (and) Dimethiconol	DOWSIL™ Branded Gum Blends	Various Dimethiconols
	XIAMETER™ PMX-1503	Dimethicone (and) Dimethiconol	DOWSIL™ PMX-1508 Fluid	C13-15 Alkane (and) Dimethiconol
Emulsifiers	DOWSIL™ 5225C Formulation Aid	Cyclopentasiloxane (and) PEG/PPG-18/18 Dimethicone	DOWSIL™ ES-5226 DM Formulation Aid	Dimethicone (and) PEG/PPG-18/18 Dimethicone
	DOWSIL™ BY 11-030	Cyclopentasiloxane (and) PEG/PPG-19/19 Dimethicone	DOWSIL™ BY 25-337 Silicone Emulsifier	PEG/PPG-19/19 Dimethicone (and) C13-16 Isoalkane (and) C10-13 Isoalkane
	ACULYN™ 2051 Rheology Modifier (Emulsifier and Rheology Modifier)	Water (and) Sodium Polyacrylate (and) Dimethicone (and) Cyclopentasiloxane (and) PEG/PPG-18/18 Dimethicone (and) Trideceth-6	ACULYN™ Siltouch Rheology Modifier	Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (and) Dimethicone (and) Trideceth-6 (and) PEG/PPG-18/18 Dimethicone
	DOWSIL™ BY 22-008	Cyclopentasiloxane (and) PEG/PPG-20/20 Dimethicone	DOWSIL™ ES-5226 DM Formulation Aid	Dimethicone (and) PEG/PPG-18/18 Dimethicone
	DOWSIL™ BY 22-008 M	Cyclopentasiloxane (and) PEG/PPG-19/19 Dimethicone	DOWSIL™ ES-5226 DM Formulation Aid	Dimethicone (and) PEG/PPG-18/18 Dimethicone
Elastomer Blend	DOWSIL™ EL-8040 ID Silicone Organic Blend	Isododecane (and) Dimethicone Crosspolymer	DOWSIL™ EL-8048 ID Silicone Organic Blend	Isododecane (and) Dimethicone Crosspolymer
	DOWSIL™ 9040 Silicone Elastomer Blend	Cyclopentasiloxane (and) Dimethicone Crosspolymer	DOWSIL™ EL-9140 Silicone Elastomer Blend	Dimethicone (and) Dimethicone Crosspolymer
	DOWSIL™ 9041 Silicone Elastomer Blend	Dimethicone (and) Dimethicone Crosspolymer	DOWSIL™ EL-9341 Silicone Elastomer Blend	Dimethicone (and) Dimethicone Crosspolymer
	DOWSIL™ 9045 Silicone Elastomer Blend	Cyclopentasiloxane (and) Dimethicone Crosspolymer	DOWSIL™ EL-9140 Silicone Elastomer Blend	Dimethicone (and) Dimethicone Crosspolymer

Family	Product	INCI	Alternative	Alternative INCI
Elastomer Blend	DOWSIL™ 9011 Silicone Elastomer Blend	Cyclopentasiloxane (and) PEG-12 Dimethicone Crosspolymer	DOWSIL™ ES-5226 DM Formulation Aid	Dimethicone (and) PEG/ PPG-18/18 Dimethicone
	DOWSIL™ EL-9241 DM Silicone Elastomer Blend	Dimethicone (and) Dimethicone Crosspolymer	DOWSIL™ EL-9341 Silicone Elastomer Blend	Dimethicone (and) Dimethicone Crosspolymer
	DOWSIL™ CF 9102	Cyclopentasiloxane (and) Dimethicone Crosspolymer	DOWSIL™ EL-9140 Silicone Elastomer Blend	Dimethicone (and) Dimethicone Crosspolymer
	DOWSIL™ 2-3040 Blend	Cyclopentasiloxane (and) Dimethicone Crosspolymer	DOWSIL™ EL-9140 Silicone Elastomer Blend	Dimethicone (and) Dimethicone Crosspolymer
Elastomer Powder Blend	DOWSIL™ 1-9852 Silicone Gel	Cyclopentasiloxane (and) Cyclohexasiloxane (and) Dimethicone/Vinyl Dimethicone Crosspolymer	DOWSIL™ 9852LC Silicone Gel	Dimethicone (and) Dimethicone/ Vinyl Dimethicone Crosspolymer
Silicone Acrylate	DOWSIL™ FA-4001 Silicone Acrylate	Cyclopentasiloxane (and) Acrylates/ Polymethylsiloxaymethacrylate Copolmer	DOWSIL™ FA-4002 ID Silicone Acrylate (best option) / DOWSIL™ FA-4004 ID Silicone Acrylate	Isododecane (and) Acrylates / Polytrimethylsiloxymethacrylate Copolymer
Resin Blend	DOWSIL™ RSN-0749 Resin	Cyclopentasiloxane (and) Trimethylsiloxysilicate	DOWSIL™ 593 Fluid / More solutions coming soon	Dimethicone (and) Trimethylsiloxysilicate
HIP Emulsion	DOWSIL™ 7-3118 EBAP HIP Emulsion	Cyclopentasiloxane (and) Dimethicone Crosspolymer (and) Dimethicone (and) Laureth-23 (and) Laureth-4	DOWSIL™ EL-7040 Hydro Elastomer Blend [blended with water]	Caprylyl Methicone (and) PEG-12 Dimethicone/PPG-20 Crosspolymer
	DOWSIL™ 7-3101 Elastomer Blend HIP Emulsion	Cyclopentasiloxane (and) Dimethicone Crosspolymer (and) Dimethicone (and) Laureth-23 (and) Laureth-4	DOWSIL™ EL-7040 Hydro Elastomer Blend [blended with water]	Caprylyl Methicone (and) PEG-12 Dimethicone/PPG-20 Crosspolymer
	DOWSIL™ 7-3100 Gum Blend HIP Emulsion	Cyclopentasiloxane (and) Dimethiconol (and) Laureth-4 (and) Laureth-23	DOWSIL™ HMW-2220 Non-Ionic Emulsion	Divinyldimethicone/Dimethicone Copolymer (and) C12-13 Alketh-23 (and) C12-13 Alketh-3
Emulsion	DOWSIL™ CE-0101 Wipes Lotion	Cyclopentasiloxane (and) Dimethiconol (and) Laureth-4 (and) Laureth-23 (and) Steareth-2 (and) Steareth-100	DOWSIL™ HMW-2220 Non-Ionic Emulsion	Divinyldimethicone/Dimethicone Copolymer (and) C12-13 Alketh-23 (and) C12-13 Alketh-3
Cationic Amino Emulsion	XIAMETER™ MEM-0949 Emulsion	Amodimethicone (and) Cetrimonium Chloride (and) Trideceth-12	DOWSIL™ 979 Emulsion / DOWSIL™ 969 Emulsion	Amodimethicone (and) C11-15 Alketh-12 (and) C11-15 Alketh-7 / Amodimethicone (and) Cetrimonium Chloride (and) Trideceth-3 (and) Trideceth-15
Silicone Polyether	XIAMETER™ OFX-0190 Fluid	PEG/PPG-18/18 Dimethicone	XIAMETER™ OFX-0193 Fluid	PEG-12 Dimethicone

Recommended alternatives need to be tested and vetted as they can be formulation specific. We have other options that might meet the needs of your formulation and only our top recommendation is given. Contact Dow for support.



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Form No. 27-3607-01-0724 S2D