



**AUTHORIZED DISTRIBUTOR
1-800-448-0406**

Silicones Simplified

www.xiameter.com



Technical Resources

Raw Material Explanations

Raw Material	Function	Supplier
Acetic acid	An acid used to solubilize aminofunctional silicones.	Various
Acrylic thickener	A polyacrylic acid polymer thickener used to increase viscosity and give stability (e.g., Carbopol® ETD 2001).	The Lubrizol Corporation www.lubrizol.com
Alcan® SF7	An aluminum trihydroxide powder with a very fine particle size used to give extremely gentle polishing action. The function is to remove light oxidization and minor surface blemishes from paintwork. The powder also aids in leveling of the polish film during buffing and helps promote high shine.	Alcan Chemicals www.alcan.com
Amadol® 511	Water-in-oil emulsifier.	Akzo Nobel www.akzonobel.com
Bentone® 38	Rheological additive used to modify viscosity.	Elementis Specialties www.elementis-specialties.com
Bio-soft® NI-7	Alcohol ethoxylate. A biodegradable surfactant used to replace Makon 10, a nonylphenylethoxylate.	Stepan Co. www.stepan.com
Cabosil® EH-5	Fumed silica used as a thickener for organic solvents.	Cabot Corporation www.cabot-corp.com
Carnauba wax	An organic wax used to give a hard film with good shine.	Various
Cellulose thickener	Hydroxyethyl cellulose thickener used to increase viscosity and stabilize the formulation.	Hercules Inc. Aqualon Division www.aqualon.com
Crill® 6	A non-ionic emulsifier with the chemical name sorbitan monoisostearate.	Croda Inc. www.croda.com
Crodamet® T8	A non-ionic emulsifier with the chemical name ethoxy (8) tallow amine.	Croda Inc. www.croda.com
Crodasinic® LS35	An emulsifier with the chemical name sodium lauroyl sarcosine.	Croda Inc. www.croda.com
Dimethylamino ethanol	Reacts with oleic acid to form a salt, which acts as an emulsifier.	Various
XIAMETER® MEM-0039 Emulsion	A non-ionic emulsion of intermediate-viscosity dimethyl fluid that improves the leveling and ease of use of auto polish formulations. Also imparts gloss to both polishes and tire/vinyl protectants.	Dow Corning Corporation www.xiameter.com

... continued

Raw Material	Function	Supplier
XIAMETER® OFX-0258 Fluid	A silicone polyether surfactant that acts as a wetting and foam-boosting agent. This polyether also has moderate cleaning properties and acts as a surface tension depressant, wetting agent, emulsifier, and foam builder.	Dow Corning Corporation www.xiameter.com
<i>Dow Corning</i> ® 203 Fluid	An alkylaryl polysiloxane fluid that imparts gloss and ease of use to polish formulations. This fluid also offers the benefit of paintability.	Dow Corning Corporation www.dowcorning.com
XIAMETER® PMX-0245 Cyclopentasiloxane XIAMETER® PMX-0246 Cyclohexasiloxane	A volatile cyclic siloxane fluid that promotes water removal when used in rinse aid formulations. Also can be used as a VOC-exempt solvent in protectant formulations.	Dow Corning Corporation www.xiameter.com
XIAMETER® MEM-0346 Emulsion	A non-ionic emulsion of intermediate-viscosity dimethyl fluid that improves the leveling and ease of use of auto polish formulations. Also imparts gloss to both polishes and tire/vinyl protectants.	Dow Corning Corporation www.xiameter.com
XIAMETER® MEM-0349 Emulsion	A non-ionic emulsion of intermediate-viscosity dimethyl fluid that improves the leveling and ease of use of auto polish formulations. Also imparts gloss to both polishes and tire/vinyl protectants.	Dow Corning Corporation www.xiameter.com
<i>Dow Corning</i> ® HV 495	A polymer, non-ionic emulsion of 60,000 cs dimethyl fluid (OH terminated) that offers excellent color improvement and good durability to auto polish and vinyl/tire protectants.	Dow Corning Corporation www.dowcorning.com
<i>Dow Corning</i> ® 531 Fluid	An aminofunctional silicone fluid that provides good gloss in polish formulations. This fluid works in conjunction with <i>Dow Corning</i> ® 536 Fluid to plasticize it.	Dow Corning Corporation www.dowcorning.com
XIAMETER® OFX-0536 Fluid	An aminofunctional silicone fluid that gives excellent durability and protection properties. This fluid works in conjunction with <i>Dow Corning</i> ® 531 Fluid.	Dow Corning Corporation www.xiameter.com
<i>Dow Corning</i> ® 593 Fluid	A silicone resin in dimethyl fluid that provides very good leveling properties to auto polishes.	Dow Corning Corporation www.dowcorning.com
XIAMETER® MEM-0600 Emulsion	A polymer, non-ionic emulsion of 60,000 cs dimethyl fluid (OH terminated), that offers excellent color improvement and good durability to auto polish and vinyl/tire protectants.	Dow Corning Corporation www.xiameter.com

... continued

Raw Material	Function	Supplier
<i>Dow Corning</i> [®] 2200 Antifoam Emulsion	A silicone antifoam used to slowly collapse generated foam.	Dow Corning Corporation www.dowcorning.com
<i>Dow Corning</i> [®] 3225C	A silicone polyether used as an emulsifier.	Dow Corning Corporation www.dowcorning.com
<i>Dow Corning</i> [®] 3527 Fluid	A silicone resin in dimethyl fluid that imparts shine, durability, and ease of use to auto polishes and tire/vinyl protectants.	Dow Corning Corporation www.dowcorning.com
<i>Dow Corning</i> [®] 5200	A silicone polyether used as an emulsifier.	Dow Corning Corporation www.dowcorning.com
<i>Dow Corning</i> [®] 2-1912 Fluid	A silicone resin in dimethyl fluid that imparts shine, durability, and ease of use to auto polishes and tire/vinyl protectants.	Dow Corning Corporation www.dowcorning.com
<i>Dow Corning</i> [®] 2-8035 Emulsion	A cationic aminosilicone emulsion that provides shine and protection when formulated into polishes and vinyl/tire protectants.	Dow Corning Corporation www.dowcorning.com
<i>Dow Corning</i> [®] 2-9118 Fluid	A silicone resin in a volatile fluid that provides durability and shine when formulated into auto polishes and tire/vinyl protectants.	Dow Corning Corporation www.dowcorning.com
<i>Dow Corning</i> [®] Q4-3667	A silicone polyether emulsifier.	Dow Corning Corporation www.dowcorning.com
Dowanol [®] DPM	A solvent to remove road film, with the chemical name dipropylene glycol methyl ether.	The Dow Chemical Company www.dow.com
Dowanol [®] DPnB	A coalescing agent with the chemical name dipropylene glycol n-butyl ether.	The Dow Chemical Company www.dow.com
Dowanol [®] PM	A fast-evaporating solvent to remove road film, with the chemical name propylene glycol methyl ether.	The Dow Chemical Company www.dow.com
Dowanol [®] PnB	A coalescing agent with the chemical name propylene glycol n-butyl ether.	The Dow Chemical Company www.dow.com
Empicol [®] ESB 70	An anionic surfactant with the chemical name sodium lauryl ethoxy sulphate. Used for detergency and quick foaming.	Rhodia Inc. www.rhodia.com
Empilan [®] 2502	A non-ionic surfactant with the chemical name coconut diethanolamide. Used to increase viscosity and improve foam generation.	Rhodia Inc. www.rhodia.com
Exxsol [™] D40 (Low aromatic solvent 160/190°C)	A medium-evaporating solvent, used as a carrier for actives (silicones). This solvent also has cleaning properties and can remove tar, etc.	ExxonMobil Chemical www.exxonmobilchemical.com
Exxsol [™] D80 (Low aromatic solvent 200/250°C)	A slow-evaporating solvent, used as a carrier for actives (wax and silicones). This solvent also has cleaning properties for tar, etc.	ExxonMobil Chemical www.exxonmobilchemical.com
Heptane	A fast evaporating aliphatic solvent used as a carrier for silicone actives.	Various

... continued

Raw Material	Function	Supplier
Isopropanol	A fast-evaporating solvent used for its cleaning and anti-freeze properties.	Various
Kaopolite® SF Kaopolite® AB Kaopolite® 1152	Anhydrous aluminum silicate powders used for removing oxidized paintwork and very minor surface blemishes. Also aid in leveling of the polish film during buffing.	Kaopolite Inc 888-567-6548 Distributed in selected locations by Univar, Inc.
Kathon LX	A preservative agent.	Rohm & Haas www.rohmhaas.com
Lanolin Oil	An oil to help restore and maintain the suppleness of leather.	Various
Makon TD-12	A non-ion surfactant, tridecyl alcohol ethoxylate, POE-12.	Stepan Co. www.stepan.com
Ninol 49-CE	A coconut DEA.	Stepan Co. www.stepan.com
Norpar™ 6	A very fast-evaporating aliphatic solvent, used as a carrier for actives (silicones).	ExxonMobil Chemical www.exxonmobilchemical.com
Oleic acid	An acid that reacts with dimethylamino ethanol to form a salt that acts as an emulsifier.	Various
Paraffin wax	A softer organic wax that gives less durability and shine than carnauba; however, it is easily buffable.	Various
PEG 6000	High-molecular-weight polymer of ethylene oxide, used as an emulsifier in waxes and polishes.	Hallstar www.hallstar.com
Pine oil	A wetting and cleaning agent.	Various
Polawax® GP200	A blend of fatty acids with nonionic surfactants that functions as an emulsifier. Forms oil/water emulsions, which can convert to water/oil on application.	Croda Inc. www.croda.com
Polyethylene wax	An organic wax that gives hardness and durability to films. Also has solvent-binding ability.	Various
Propylene glycol	A slow-evaporating water-miscible solvent that assists to deposit a uniform film, anti-freeze property.	Various
Rhodapex® ESB 70	An anionic surfactant with the chemical name sodium lauryl ethoxy sulphate. Used for detergency and quick foaming.	Rhodia Inc. www.rhodia.com
Rust inhibitor	Sodium benzoate or similar to eliminate rusting of aerosol can.	Various
Sillikolloid P87	Quartz and kaolinite filler.	Hoffman Mineral www.hoffman-mineral.com
Sillitin Z86	Quartz and kaolinite filler.	Hoffman Mineral www.hoffman-mineral.com
Span® 80	A non-ionic emulsifier with the chemical name sorbitan trioleate.	Uniqema www.uniqema.com

... continued

Raw Material	Function	Supplier
Syncrowax® AWI	A hard wax (blend of C18-C36 acids), used for protection.	Croda Inc. www.croda.com
Syncrowax® ERL	An ethylene glycol ester of C18-C36 fatty acids that can be buffed to a high gloss.	Croda Inc. www.croda.com
Tomah® Amphoteric L	Cocoamidopropyl betaine. An amphoteric surfactant used for detergency and foam generation.	Air Products, Inc. www.tomah3.com
Tomah® AO-728	An amine oxide-type amphoteric surfactant used as a foam booster/foam stabilizer.	Air Products, Inc. www.tomah3.com
Tomah® Emulsifier Four	An emulsifier with the chemical name cationic dialkyl quaternary ammonium chloride, used to aid water repellency.	Air Products, Inc. www.tomah3.com
Tomah® Q-17-2	A cationic surfactant with the chemical name isotridecylcyloxypropyl dihydroxyethyl methyl ammonium chloride that is used to enhance detergency performance.	Air Products, Inc. www.tomah3.com
Triethanolamine	Used as part of emulsifier system/ thickener system.	Various
Tween® 80	A non-ionic emulsifier with the chemical name polyoxyethylene (20) sorbitan monooleate.	Uniqema www.uniqema.com
XIAMETER® PMX-200 Silicone Fluid, 350 cSt	A low-viscosity dimethyl fluid that promotes leveling of auto polishes, provides gloss, and improves ease of use.	Dow Corning Corporation www.xiameter.com
XIAMETER® PMX-200 Silicone Fluid, 1000 cSt	An intermediate-viscosity dimethyl fluid that gives high gloss, aids rub-out, and improves ease of use when incorporated into polish formulations.	Dow Corning Corporation www.xiameter.com
XIAMETER® PMX-200 Silicone Fluid, 12500 cSt	An intermediate-viscosity dimethyl fluid that enhances color and shine when formulated into auto polishes. Also provides protection against minor scratches.	Dow Corning Corporation www.xiameter.com
XIAMETER® PMX-200 Silicone Fluid, 60000 cSt	A high-viscosity dimethyl fluid that gives excellent color enhancement and protection properties when formulated into automotive polishes.	Dow Corning Corporation www.xiameter.com
Veegum® Pro	Gum thickener (amine-modified hydrated magnesium aluminum silicate).	R.T. Vanderbilt www.rtvanderbilt.com
Volpo® L4	A nonionic emulsifier with the chemical name ethoxy (4) synthetic C12-C13 alcohols.	Croda Inc. www.croda.com
Volpo® T10	A non-ionic surfactant with the chemical name alcohol ethoxylate, based on tridecanol and used for detergency.	Croda Inc. www.croda.com
Wax emulsion Michem® Lube 155	A 25% active blend of soft/hard wax, with a particle size such that a non-level film is created that scatters light, causing the sheen effect.	Michelman Inc. www.michem.com
Wax Emulsion 7619	Carnauba/beeswax blend to aid gloss and water repellency.	Marlin Chemicals www.marlinchemicals.co.uk

Product Information

A complete list of XIAMETER® brand fluids is available at www.xiameter.com.



AUTHORIZED DISTRIBUTOR
1-800-448-0406

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow Corning's sole warranty is that our products will meet the sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

DOW CORNING SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.

DOW CORNING DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Dow Corning is a registered trademark of Dow Corning Corporation.

XIAMETER is a registered trademark of Dow Corning Corporation.

©2009 Dow Corning Corporation. All rights reserved.

Printed in USA

AGP9787

Form No. 95-709-01