



*Advanced Chemical Concepts, Inc.*

7050 Engle Rd. Suite 103, Middleburg Hts. OH 44130

Phone: 216-221-3952 Fax: 216-221-4291

**Products**  
**for**  
**Household, Industrial and**  
**Automotive Care**



# INTRODUCTION

**Advanced Chemical Concepts, Inc.** is a supplier and distributor of **Additives** and **Specialty Chemicals**.

We are dedicated to delighting our customers with exceptional care and pride ourselves on excellent service. We look forward to gladly assisting with your chemical needs.

Our pledge is to provide Household, Industrial and Automotive Care Solutions.

Our commitment is to provide:

- Timely services
- Reliable supply
- Strong technical support through our dedicated product experts, trained beyond industry standards.

Our distribution centers are strategically located throughout the upper Midwest and we are continually expanding our reach to serve our customer's needs.



## Household, Industrial and Automotive Care

<i><b>Product Name</b></i>	<i><b>Product Description</b></i>
<b>ACC SI- Polydimethylsiloxanes</b>	Fluids are pure silicone fluids for premium performance. Viscosities ranging from 5 cst to 100,00 cst are available. Polydimethylsiloxanes (silicone fluids) are soluble in solvents or can be emulsified into water based products. Uses include polishes, waxes, solvents based tire and vinyl dressings. Please see the ACC formulary for starting formulations or call our technical department for assistance.
<b>ACC SI-EM-60 HG</b>	Specifically formulated 60% silicone emulsion that contains polydimethylsiloxanes and organo functional silicones. This emulsion is specifically formulated to provide the highest gloss and durability for water-based vinyl and tire dressings, durable mold releases and other applications where water based releases are used. An economical, easy to use emulsion that contains all of the silicone ingredients necessary to formulate the highest quality products. Please see the ACC formulary for starting formulations or call our Technical Department for assistance.
<b>ACC SI-EM-60 AF</b>	Micro emulsion of a reactive amino functional silicone fluid. A 70% solids emulsion that can be let down into a clear, stable, water continuous emulsion providing the formulator with a broad range of formulating alternatives. Useful applications include textile softening, as well as household and automotive applications where amino functional fluids are effective. Can be let down to use actives by gently blending into water. Use levels to 10% solids for a clear vinyl dressing that leaves automobile interiors looking clean and new. An excellent surface polymer protectant for use as a final rinse for automatic car washes that leaves the surface slick and glossy. Please see the ACC formulary for starting formulations or call our Technical Department for assistance.
<b>ACC SI-SQ</b>	Special cationic silicone that is very effective at low use concentrations. An excellent protectant from both water based and greasy soils. Can be used as a rinse aid at very low use levels in order to provide water beading and protection from road soils and atmospheric grime. An excellent additive to auto windshield washer formulations where it provides beading and rain repellent properties. Also an effective additive to cleaners where it provides the added benefit of stain protection with cleaning.
<b>ACC SG-OE</b>	Concentrated silicone/zinc based odor neutralizer concentrate. Very effective at use levels of 5-10% in water with or without fragrance. SI-OE will neutralize smoke, mold, mildew, amine, garbage, body, and many other offensive odors commonly found in automobiles, homes and for institutional or industrial applications. Easy to use without the need for additional additives or emulsifiers.

## Household, Industrial and Automotive Care (cont.)

<i><b>Product Name</b></i>	<i><b>Product Description</b></i>
<b>ACC SI-EM-60 Conc.</b>	General purpose 60% active silicone emulsion. Is specifically formulated for the automotive aftermarket with a select blend of silicone fluids that provides the optimum in polydimethylsiloxane performance in order to give the best shine and protection. Concentrated emulsion that can be blended with water and cationic surfactants to formulate an antistatic agent for web off-set printing, general purpose mold release and glass lubricant for glass fiber manufacture.
<b>ACC SI-HTS</b>	Hydroxy functional organo silicone that imparts superior gloss and shine to hard or soft surfaces. Soluble in petroleum hydrocarbons and is especially useful for boosting the gloss and improving durability when used in combination with ACC polydimethylsiloxanes. Can be used as a durable release in solvent based formulas for mold and concrete releases.
<b>ACC SI-MHF</b>	Very reactive polymethylhydrogensiloxane. Provides a durable water repellent coating to upholstery and hard surfaces. Soluble in petroleum hydrocarbons and is very effective at use levels as low as 0.5%. An effective coating for waterproofing wood, stone and masonry surfaces.
<b>ACC SI-EM-60 HTS</b>	A 60% active emulsion of hydroxy terminated silicone fluids. Has improved durability over traditional polydimethylsiloxane emulsions. Can be diluted into water to provide a durable, economical release agent for rubber, concrete and other molded parts.
<b>ACC SI-EM-350 FG</b>	A 35% active nonionic emulsion of 350 cst food grade polydimethylsiloxanes and food grade emulsifiers. Formulated to provide excellent gloss, lubrication and protection to a variety of surfaces where direct or indirect food contact is required.
<b>ACC SI-EM-FS-50</b>	Fluoro silicone emulsion that is a very effective base for use in spray-and-wipe auto polishes. Contains silicone fluoro polymers for the highest effectiveness in gloss and protection. Very effective at low use concentrations and is especially effective when formulating quick detail type spray and shine products.
<b>ACC PE</b>	Phosphate ester that is a very effective detergent additive for acid based cleaners and rust removers. Used in many difficult cleaning applications and works especially well in acid based aluminum cleaners and rust removers. Has a much lower corrosion rate when compared to mineral acids.
<b>ACC SG-X8</b>	Fluorinated polymer that can be diluted with water to form a protective barrier on fabrics, upholstery, carpet, masonry, leather, suede and most any other surface where penetration can be accomplished with water.

## Household, Industrial and Automotive Care (cont.)

<i><b>Product Name</b></i>	<i><b>Product Description</b></i>
<b>ACC SG-X10</b>	Fluorinated polymer in solvent. Very effective surface protectant for hard or porous surfaces. Can be diluted 2 to 60 times with solvent to make a surface treatment that will resist oil and water based stains.
<b>ACC FS-1</b>	Highly effective fluorosurfactant that has excellent surface properties. An excellent additive to coatings formulas including floor strippers and floor finish formulas to provide the ultimate in leveling and detergency.
<b>ACC SI-42</b>	An amino functional silicone that imparts durable gloss to auto polish emulsions and hydrocarbon based polishes. Reactive silicone that enhances durability and gloss and is especially effective when used in combination with blends of silicone fluids. Available in a ready to use micro emulsion, ACC SI-EM-60 AF.
<b>ACC SI-SC-C7</b>	High molecular weight silicone polyether that is an effective additive to water based formulas to improve wetting, gloss, beading and detergency. Provides foam stability and a slick clean feel to surfaces. An effective additive to triple foam car washes and cleaners to improve surface gloss and beading.
<b>ACC SI-SCTS</b>	Silicone polyether that has very low surface tensions in aqueous formulas. Promotes the spreading and wetting of water based cleaners. Especially useful as an additive to improve wetting on most difficult to coat surfaces like polyethylene, polypropylene as well as painted surfaces.
<b>ACC SI-STS</b>	Low molecular weight trisiloxane that is very effective as an additive to reduce surface tensions and improve wetting on hard to coat surfaces. Effective in coatings, agriculture and cleaning formulas where wetting and spreading is especially important. Very effective at low use concentrations and imparts surface tensions in the low 20's to water based products.
<b>ACC SI-STS-PN</b>	An anionic silicone polyether that is a very effective wetting agent for use in coatings formulas. A good fluorocarbon replacement in floor finish formulas as a leveling additive. Can be over coated and does not cause fish eyes or other surface blemishes in the final coat.

## Contact Us:



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