

Connecting**Chemistry**

# AQUPEC SERIES FROM SUMITOMO SEIKA

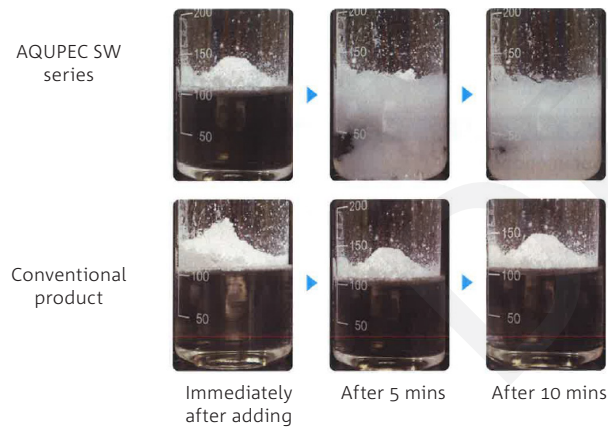
UNIQUE THICKENING POLYMERS FOR PERSONAL CARE FORMULATIONS



## AQUPEC SW Series

Self-wetting, water-soluble polymers with quicker processing times and less dusting.

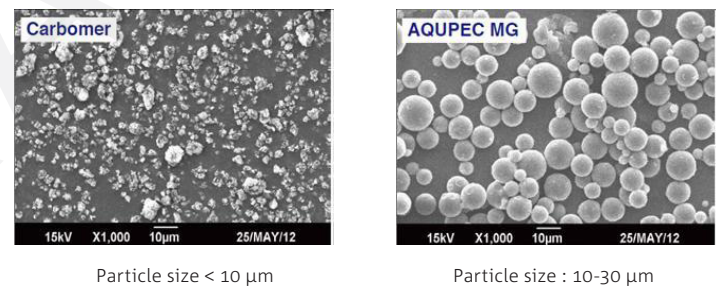
Figure 1: Self-wetting series takes 10 minutes for pre-mixing process



## AQUPEC MG Series

Pre-neutralized polymer that provides a unique smooth and light texture with a quick break. Aqupec MG also shows a wide spray coverage.

Figure 2: Spherical particles produce a smooth and light texture



## AQUPEC HU Series

Polymer that is compatible with cationic ingredients and provides a unique jelly-like texture with self-leveling properties.

Figure 3: Skin cream containing Vitamin C derivative (3%)



## AQUPEC SER Series

Super electrolyte resistance acrylic polymer with excellent salt resistance, surfactant compatibility, and high emulsification capacity.

Figure 3: AQUPEC SER compared to Carbomer Series





PRODUCT	INCI	DESCRIPTION	BENEFITS	IDEAL APPLICATIONS	VISCOSITY IN WATER
AQUPEC SW series	SW-705E: Carbomer SW-703ER & 705ER: Acrylates/C10-30 Alkyl Acrylate Crosspolymer	Self-wetting carbomer with high clarity	<ul style="list-style-type: none"> <li>- Shorter processing time and improved clarity over traditional carbomer</li> <li>- High tolerance for alcohol</li> </ul>	<ul style="list-style-type: none"> <li>- Creams/gels</li> <li>- Hydroalcoholic gels</li> <li>- Aloe vera gels</li> <li>- Glycerin-based gels</li> </ul>	At 0.5%: SW-705E – 50,000 mPa·s SW-703ER – 30,000 mPa·s SW-705ER – 50,000 mPa·s
AQUPEC MG series	MG N40R: Sodium Carbomer	Pre-neutralized, spherical particle carbomer	<ul style="list-style-type: none"> <li>- Spherical particles provide unique smooth and light texture with quick break</li> <li>- Wide spray coverage area</li> <li>- Pre-dispersion and neutralization not required</li> <li>- Can be added post emulsification</li> </ul>	<ul style="list-style-type: none"> <li>- Skin care creams and gels</li> <li>- Sunscreens</li> <li>- Non-aerosol spray gels</li> </ul>	At 0.5%: 15,000-30,000 mPa·s
AQUPEC HU series	HU C2002: Bis-Stearyl PEG/PPG-8/6 SMDI/PEG-400 Copolymer	Non-ionic polymer with self-settling properties and jelly-like texture	<ul style="list-style-type: none"> <li>- Creates a unique jelly-like texture with a smooth surface self-leveling properties</li> <li>- Wide pH range and excellent salt resistance</li> <li>- Compatible with cationic ingredients</li> <li>- High clarity</li> </ul>	<ul style="list-style-type: none"> <li>- Skin creams and gels</li> <li>- Hair gels and creams</li> <li>- Sunscreens</li> <li>- Vitamin C creams and serums</li> </ul>	At 1%: 11,000 mPa·s
AQUPEC SER series	SER W-150C & SER W-300C: Acrylates/C10-30 Alkyl Acrylate Crosspolymer	Electrolyte and salt resistant thickening polymer that provides emulsification	<ul style="list-style-type: none"> <li>- Viscosity and clarity resistant to salt</li> <li>- Effectively thickens systems with Vitamin C</li> <li>- Provides emulsification</li> <li>- Compatible with cleansing surfactants</li> </ul>	<ul style="list-style-type: none"> <li>- Skin care creams/lotions</li> <li>- Body washes</li> <li>- Brightening skin care</li> <li>- Sunscreens</li> </ul>	At 1.0% with 0.5-5% NaCl: 10,000 mPa·s

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