

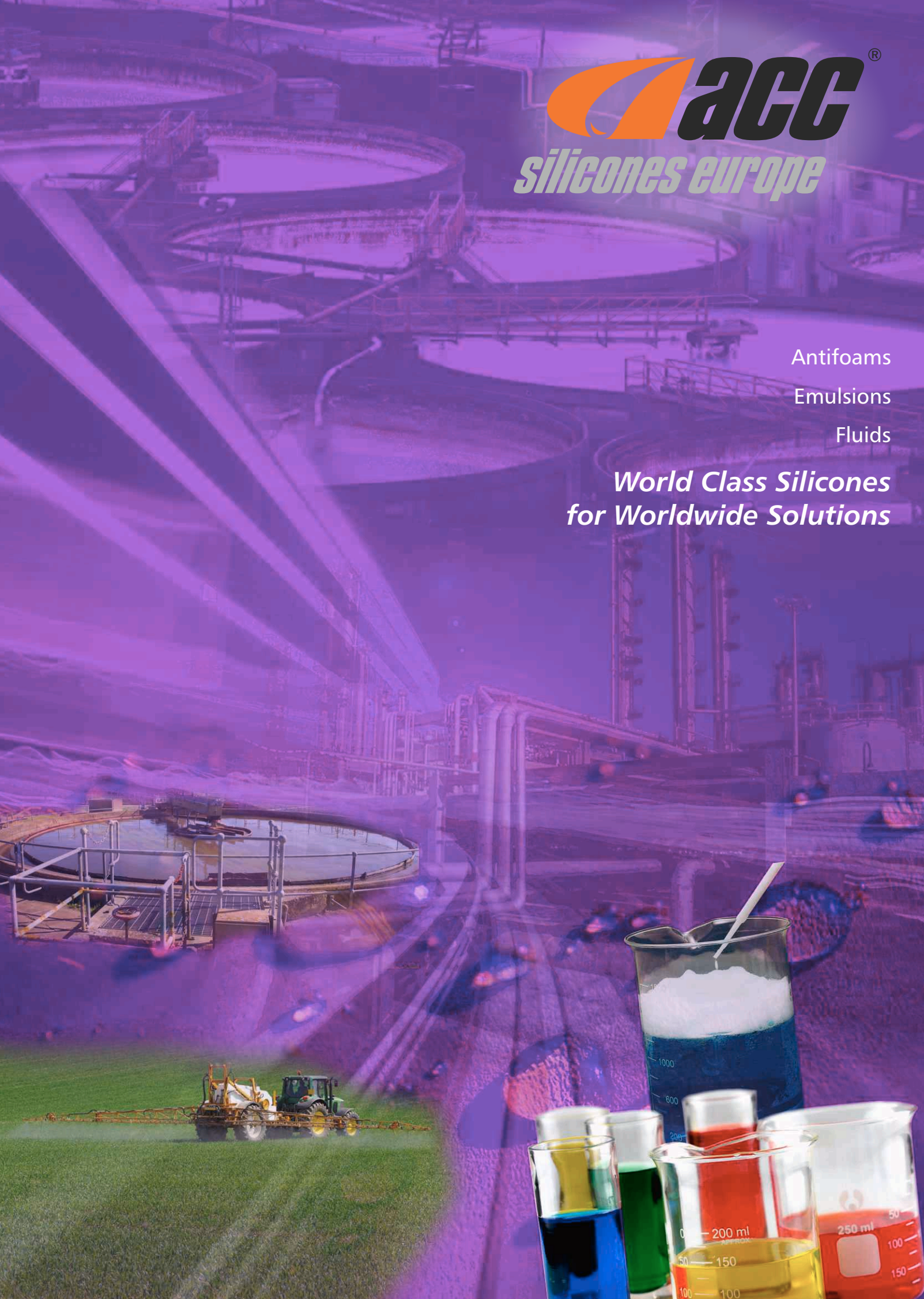


Antifoams

Emulsions

Fluids

*World Class Silicones  
for Worldwide Solutions*





# Antifoams/Defoamers

Silicone antifoams and defoamers are highly active and very effective agents used to prevent or suppress foams in many chemical processes without contaminating or altering the product. Our antifoams range is available in the form of: compounds, emulsions and powder. Our highly active products reduce dosage rates and provide a cost effective alternative to less effective materials used in both aqueous and non-aqueous systems. FDA approved products are suitable for use in the food processing industry.

## Applications

- Food - processing aid for washing and food manufacturing
- Brewing - processing aid for use in filling process or as a foam regulator
- Textiles - for use in fabric dyeing, finishing and sizing
- Chemical processing - used in distillation process, drilling oils & water waste treatment
- Leather treatment - used in leather dyeing and finishing
- Household cleaners - additive for use during the filling process or as foam regulator
- Adhesive manufacture - used during production process





## Emulsions

Silicone emulsions are inert, heat stable, non-toxicity products, which suit many industrial applications where lubrication, gloss, antistatic, protective and release properties are advantageous. Silicone emulsions can be divided into three groups depending on the type of emulsifier system used, they can be: anionic, cationic and non-ionic. Most emulsions are non-ionic as they are compatible with either of the other two systems but depending on the application, cationic or anionic emulsions can be chosen. FDA approved products are suitable for use in the food processing industry.

### Applications

- Rubber lubrication - release agents, lubricants
- Food tray & plastics release agents - for thermoplastic and thermosetting materials
- Car polishes and dressings - protection, weather resistance, gloss and spreadability
- Household cleaners and polishes - protection, weather resistance, gloss and spreadability
- Textile finishing - enhanced feel to fabrics, improve water repellency and reduce creasing
- Water repellency - perlite, vermiculite and clay impregnation
- Printing and paper making - lubricants and antistatic agents in offset printing

## Silicone Fluids

ACC Silicones supply a wide range of standard PDMS and speciality fluids for many varied industrial applications.

- Release agents for rubber and plastic
- Formulation aids
- Pharmaceutical
- Hydraulic damping



# ACC Silicones has been manufacturing silicone compounds for over 40 years

During that time, we have acquired a great deal of experience and expertise and have gained an enviable reputation for producing high quality materials which have been proven to perform to a very high standard in the most demanding applications, including the aerospace and automotive industries.

We now have a brand new R&D facility in the UK and much of our research work is focused on electrical and electronic applications developing coatings, thermal transfer compounds and non-corrosive sealants. Our customer focused development programme and flexible production facility enable us to keep pace with the needs of today's modern production methods and design requirements.

Qualified, experienced sales and technical staff are readily available to make site visits throughout Europe and advise on product selection and production methods. Our expertise extends into all areas of 1 and 2 part RTV silicone chemistry with a strong bias towards application based solutions.

ACC Silicones is now part of the ICM Silicones Group enabling us to draw on additional expertise from around the world and benefit from additional manufacturing facilities in Europe, China and the US.

## Bespoke service

Our adaptable facilities based upon batch production allow us to offer formulations specially developed to meet very specific application requirements. Subject to strict commercial evaluation we are able to chemically engineer our products and change any of the following properties:

- Rheology – paste to free flowing low viscosity
- Cure speed and tack free times
- Thermal conductivity
- Hardness
- Colour
- Operating temperature range
- Cure mechanism
- Packaging and delivery systems



PART OF THE ICM SILICONES GROUP

## Other ICM Group Companies

ICM Products Inc, Cassopolis, Michigan, USA  
Quantum Silicones, Richmond, Virginia, USA  
Amber Silicones (Tianjin) Co Ltd, Tianjin, China

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