



Personal care
The power of smart ingredients

New Personal Care Ingredients from BRB Synthesis Unit in Malaysia

The start of the synthesis plant in Kuala Lumpur, Malaysia has been a key milestone for the expansion of BRB silicone portfolio for the Personal Care industry.

It allows BRB to have a competitive and unlimited toolbox to produce a continuously increasing number of products such as:

- Low viscosity linear Silicone Oils used as volatile carrier and potential alternative to cyclics such as D5

- Alkyl Dimethicones: Consisting of an alkyl group grafted onto a silicone backbone. One of the favorite ingredients of cosmetic formulators in this family is **BRB Caprylyl Methicone**. It is a clear, low molecular weight, colorless liquid with moderate volatility. The alkyl group makes it compatible with most of organic based cosmetic oil ingredients and waxes. The compact trisiloxane backbone provides a light, non-greasy skin feel and improve spreadability.

It provides in skin care formulation a soft, silky, smooth and non-tacky after feel. Less dry feel when compared to other volatile silicone. It keep skin moisturized with no occlusive effect. It also helps to reduce the rubbed on time of cream and lotions by enhancing the spreadability of oil in the formulation. Due to this reason, it can be used as SPF booster.

BRB Caprylyl Methicone is in color cosmetic formulations an excellent dispersant for many inorganic pigment. It can be incorporated in a broad range of color cosmetic formulations such as foundation, mascara, eye shadow and lipstick. Due to its excellent pigment dispersant properties, it also can be formulated into make-up remover product.

- Dimethicone copolyols: Well-established formulation aids consisting of a water-insoluble silicone backbone and a water-soluble polyoxyalkylene component and helping to formulate innovative and varied emulsions (water-in-silicone, water-in-oil or silicone-in-water) with texture ranging from lotions to thick cream.

An advanced version combining both copolyol and alkyl silicone worlds is **BRB 423** (INCI: Cetyl PEG/PPG-10/1 Dimethicone).

The combination of both alkyl (hydrophobic) and polyether (hydrophilic) groups on a silicone backbone allows BRB 423 to be an elegant non-ionic silicone emulsifier, specifically designed to produce water-in-oil emulsions. BRB 423 has great ability to emulsify ester, mineral and vegetable oils, waxes, butters and UV filters. It can emulsify up to 30% of oil content. It is suitable for both hot and cold processed w/o emulsion. Due to its unique structure, BRB 423 allows to provide versatile textures like white and transparent lotions and cream, gel-creams and rich emulsions.



BRB 423 acts as a connecting bridge to gap between water-in-oil systems, delivering the benefits of protection, water resistance and elegance attributed to water-in-oil formulations but without giving greasiness of typical water-in-oil systems.

BRB Silicones for Personal Care... The Power of Smart Ingredients

A perfect mix of dynamic and youthful élan

BRB International BV, a dynamic and innovative company, has an extensive experience in the fields of Silicones, Lubricants, Additives and Chemicals. BRB International BV is now of its kind, one of the largest independent companies in the world with a turnover over €170 million.

From the large range of products marketed by two business units (Silicones and Lubricants, Additives & Chemicals), BRB International BV supplies to a broad range of customers in many different markets, including Lube Oil Blending, Cosmetic, Paints & Coatings, Construction, Food & Beverages, Automotive, Off Shore Industry and High Tech industries.

Established in 1981, headquartered in the south of the Netherlands, BRB International BV has created an effective worldwide supply chain network with offices and warehouses in the UK, Poland, South Africa, United States, Malaysia, Australia, China, Singapore and Turkey. Our manufacturing sites are located in Europe and Asia.

The Power of a Silicone Major, the Flexibility of a Formulator

BRB Silicones, a business unit of BRB International BV, is a producer of specialty silicones like emulsions, antifoams, water repellents, elastomers, lubricants, silanes, resins, silicone polyethers, dimethicone & cyclomethicone blends, cross polymers and many more customized products. BRB Silicones also supplies a very broad range of core and specialty intermediates to the silicone industry with a superior combination of product supply regularity and competitive pricing.

