



201 Westland Farm Road
Mount Holly, NC 28120
704-827-0216
www.ArroChem.Com

SILICONE EMULSION 3%

ArroChem's Silicone Emulsion 3% is a water-based emulsion formulated to provide a silicone coating with a low silicone content for various applications. It offers mild water repellency and lubrication while maintaining a balanced and cost-effective composition.

General Characteristics:

Appearance:	Milky white liquid
Chemical Composition:	Silicone-based polymer emulsion
Solubility in Water, 25°C:	Soluble
Viscosity:	20-100 cSt (centistokes) at 25°C
Specific Gravity:	0.88 - 0.92 g/cm ³ at 25°C



APPLICATION:

Silicone Emulsion 3% is suitable for a range of applications across different industries, especially where a low silicone content is desired. Some common uses include:

- **Water Repellent Coating:** It can be applied to fabrics, paper, and other porous materials to provide mild water repellency, protecting them from moisture to some extent.
- **Lubricant:** Silicone Emulsion 3% can act as a mild lubricant for certain applications, reducing friction and improving the ease of movement for various components.
- **Release Agent:** It can be used as a release agent in specific molding processes to aid in the demolding of rubber and plastic products.
- **Textile Treatment:** This emulsion finds application in textile treatments to enhance the softness and smoothness of fabrics.
- **Household Products:** Silicone Emulsion 3% is used in the formulation of various household products, such as surface cleaners and polishes, to provide a protective coating and improve shine.