



TECHNICAL BULLETIN

TAYCHEM SILSOFT 648

Hydrophilic Silicone Surfactant

Description:

TayChem Silsoft 648 is a polyalkylene oxide-modified polydimethylsiloxane designed to provide the user with a combination of usages not possible with conventional, organic surfactants. It can be used in aqueous and non-aqueous systems. TayChem Silsoft 648 is effective at low use levels (as low as 0.01%). It has excellent wetting properties, making it a super-wetter.

Applications:

TayChem Silsoft 648 is particularly suitable in numerous applications, including low surface tension, high wetting, excellent lubricity, sheen, gloss-enhancing, static-suppressing, and antifoaming. It is a concentrated, economical, and environmentally-safe product with low toxicity.

Typical Properties:

Property	Characteristic
Appearance	Clear To Slightly Hazy
Solids Content; Microwave Oven (%)	Ca. 100
Viscosity @ 25°C	1,000 To 2,000
Dispersibility	Dispersible In Water

Note: These figures are intended as a guide and should not be used in preparing specifications.

Storage Stability:

TayChem Silsoft 648 has a shelf life of at least six {6} months if stored in its original, sealed container at 25°C or 70°F. If the material is kept beyond the recommended shelf life, it is not necessarily unusable, but quality control should be performed on the properties relevant to the application.

Emulsions showing signs of creaming should be agitated before use to assure uniform consistency.

Safety Instructions:

Comprehensive instructions are given in the corresponding Material Safety Data Sheet. This information is available upon request from TayChem Industries, Ltd.

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