



ORIGINAL ENGINEERED LUBRICANTS



ACE-SILCOEL 100

SILICONE OIL

Food Grade Non-Toxic Silicone Oil

ACE-SILCOEL 100

ACE-SILCOEL 100 has high thermal stability and is resistant to high temperature, low humidity content and has outstanding dielectric properties. It is a Low toxicity oil.

Features and Benefits

FEATURES		BENEFITS
High Stability to Temperature	Maintains consistent performance across wide temperature ranges.	Ensures reliability in both high and low-temperature environments.
Low Viscosity Variation with Temperature	Stable viscosity profile across temperature fluctuations.	Guarantees consistent flow and heat transfer performance in changing conditions.
Low Evaporation Rate & Resistance to Oxidation	Chemically inert with low volatility and strong oxidative resistance.	Minimizes fluid loss during operation, reducing the need for top-ups.
Good Antifoaming Properties & High Chemical Stability	Resists foam formation and maintains molecular integrity.	Prevents foam-related malfunctions such as cavitation and reduced heat transfer.
Water Repellent & Good Lubricating Capacity	Hydrophobic and provides excellent surface lubrication.	Protects electrical components from moisture-induced failure.

Application

- This type of silicone oil has a wide range of applications in the industry.
- It can be used as General lubrication of mechanisms lubricating with synthetic oils, working at high temperatures, in presence of water and contaminating agents, also as a heat transport fluid in circulating and bath systems.
- It is a high thermal resistant lubricant.
- It full fills the FDA regulations for products with incidental contact with food products (H1) & NSF H-1 category (before USDA H1) with registration nr. 111098.

Cautions

- Keep container closed to avoid contamination.
- Avoid mixing products of different nature.
- Should not be used in painting facilities or any other surface treatment process

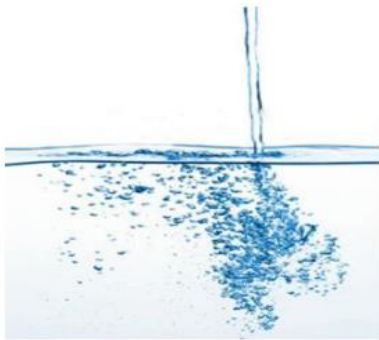
ACE-SILCOEL

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Technical Details

PROPERTY	VALUE
Base Oil	Silicone Oil
Aspect	Colourless Oily liquid
Viscosity at 25°C	250-400 Cst
Density at 25°C	0,970 g/ml
Flash Point COC, °C	>300
Thermal Conductivity	3,8x10 ⁻⁴ W/m °C
Dilatation coefficient	9,45x10 ⁻⁴

ACE-SILCOEL 100	
Pack Size	5L, 50L



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