



## TECHNICAL DATA SHEET SILICONE EMULSION SEM 680



Silicone Emulsion HARRIS SEM 680 is a non-ionic silicone emulsion specifically developed as a mold release/lubricant agent. It is a specially formulated emulsion with a 60% silicone oil content. Product does not build up on molds or discolor molded parts. Some of the industrial applications this product is suitable for include:

- ◆ Mould release of rubber, EVA or plastic parts (stoppers, screw tops, bungs, etc.)
- ◆ Lubrication of extruded rubber parts and conveyor belts
- ◆ Release agent for tubes used in manufacturing plastic bags
- ◆ Lubricant used for the manufacture of polypropylene bags
- ◆ Textile lubricant that reduces "runs" in hosiery manufacturing
- ◆ Textile yarn and thread lubricant, reducing needle wear & temperature, hence breakage of yarn and thread.
- ◆ Lubricant for glass fabric used in exhaust filters
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### General Characteristics:

Appearance:	White Opaque Emulsion
Chemical Composition:	Silicone Emulsion
Active Material Content	60%
Ionic Nature:	Nonionic
Solubility in Water, 25~C:	Readily Dispersible
Specific Gravity @25~C	0.98 – 1.00g/ml
Viscosity:	100 cps (Brookfield Viscometer, #2 spindle, 50RPM)
pH:	7-8
Shelf Life:	12 months
Diluent:	Water

### Instructions for Use:

Product may be diluted in the range of 50:1 with water. User should determine the best concentration and application method on a small scale prior to production. Product may be applied by spraying, wiping, dipping, or brushing.

**Storage:** Store between 5~C (41~F) and 35~C (95~F). Freeze – thaw stable.