

Silicone Emulsion, 60% Solids

1,000 cSt base fluid · nominal 60% solids class

PRODUCT CODE: **RS-EM1000/60**
ISSUED: **July 2026**

§1 PRODUCT DESCRIPTION

A non-ionic, oil-in-water emulsion of polydimethylsiloxane (PDMS, CAS 63148-62-9) supplied at a nominal 60%-class solids content (typical 63%) on a 1,000 cSt base fluid. Dilutes in cold water for use as a mold-release concentrate in rubber, plastics, foundry and fiberglass operations, in fabric sizing and other textile processing, and as a slip/gloss component in polish formulations.

§2 TYPICAL PROPERTIES

PROPERTY	SPECIFICATION	TYPICAL VALUE
Appearance	—	Translucent milky-white emulsion
Ionic Character	—	Non-ionic emulsifier system
Solids Content (110 °C / 2 h)	—	~63 %
Base Silicone Fluid	—	1,000 cSt polydimethylsiloxane
Emulsion Viscosity at 25 °C (Brookfield LV3, 12 rpm)	3,000–10,000 cP	—
pH	6–8	—
Specific Gravity at 25 °C	—	0.98–1.0
Flash Point	—	> 100 °C
Dilution	—	Cold water (best diluent); pre-dilute under low shear
Hard-Water Stability	—	Stable to ~200 ppm water hardness
Shelf Life	—	12 months from manufacture in original container
Storage	—	5–32 °C; do not freeze

PACKAGING

Standard industrial packaging; drum, IBC, or bulk options quoted per order.

DOCUMENTATION

Full SDS available on request. Lot-specific CoA ships with every order.

Values shown are typical of recent production and do not constitute a sales specification; the lot-specific Certificate of Analysis governs for any shipment. Product is supplied for industrial use only. This product has not been tested or represented as suitable for medical or pharmaceutical uses.

Typical batch values, provided in good faith. Contact solutions@rawsource.com for batch-specific data.