



## Product Information

# MAPR-55 Paintable Silicone Emulsion

50% Paintable Silicone Emulsion Concentrate ...active ingredient is Methylalkyl silicone fluid



MAPR-55 is a 50% active Methyl alkyl Silicone Emulsion. It is an excellent release agent for plastic and rubber molds.

MAPR-55 is a Methylalkyl Paintable Release Agent Emulsion that contains 50% active Methylalkyl Silicone (55% solids) to provides outstanding lubricating and release properties. It is used in a wide array of applications for injection molded plastic, rubber and foam parts.. MAPR-55 is a nonionic emulsion that has excellent emulsion stability when diluted. Clearco MAPRA-55 is concentrated to save you money. One drum can make the equivalent of 10-drums of finished product by simply adding water (5% active final formulation).

MAPRA- 55 will **not interfere** with paintability or Topcoating. The fluid is compatible with paints and coating and will not cause “fisheye effects” as seen with conventional dimethyl (polydimethylsiloxane) silicone fluids.

It is useful as a lubricant for soft metals such as aluminum, zinc and copper, and is particularly effective as a rubber or plastic lubricant when mated against steel or aluminum.

In comparison to polydimethylsiloxanes, Clearco Methylalkyl Silicones have greater compatibility with organic materials, higher viscosity-temperature coefficients, lower compressibility, and decreased oxidation stability.

Synonyms: paintable silicone emulsion, methylalkyl emulsion, paintable foundry release agent, paintable mold release agent.

### Specifications

Chemical Name	Methylalkyl Silicone Emulsion
Appearance	Milky white
Paintable	Yes
Active silicone	50 %
Solids content	55%
Emulsion type	Non-ionic
PH @ 25°C	7.0
VOC Compliant	Yes
Odorless	Yes
Non-Flammable	Yes
Thermally Stable	Yes
Availability	5-gallon pail (40 lbs) 55-gallon drum (440lbs)
Minimum Order	5-gallons

### Applications

- Provides multiple releases per application of a wide array or products including: injection molded plastics, rubber parts (rubber mats etc), foams (including rigid polyurethane foams), epoxy molded parts and thermoplastics.
- Anti-adherent agent for the mould release of plastics to be painted or glued.
- Tensio-active agent for varnishes and paints, generally applied by Curtaincoating (normal doses: 1 to 5%)
- Maintenance product additive (normal doses: 1 to 10%)
- Hot and Cold applications
- Waxing additive in paraffin oils for the lubrication of sewing threads and hosiery yarns (normal doses are approximately 20% in the mixture)
- VOC Compliant
- Contains no Hazmat materials

### Typical Product Data

Appearance	PH @25°C	Specific Gravity	Flash Point (PMCC)	Boiling Point	Solubility
Milky white	7.0	0.98	> 201°F / 93°C	212°F / 100°C	Water-soluble

### Packaging

5-gallon pail.....18kg / 40 lbs
55-gallon drum.....200kg / 440 lbs
F.O.B. Phila, PA U.S.A.

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