

# Bluesil™ Emul 1635

October 2017

## Silicone Emulsion – Industrial Release Agent

**Description** **Bluesil™ EMUL 1635** is a general purpose, non-ionic, aqueous silicone emulsion of 350 cSt PDMS fluid.

**Application**

- Mold release agent for technical rubber, plastics & foundry products
- Water repellent and release agent for various applications
- Gloss additive in maintenance products: furniture polishes & leather maintenance products
- Gloss additive in car care formulations: tire shine
- Slip additive for curable release coatings

<b>Typical Properties</b>	• Appearance	Milky white liquid
	• Solids, %	60
	• Emulsifier type	Non-ionic
	• Specific gravity, 25°C	1.0
	• pH	6 - 8
	• Viscosity of the base fluid, 25°C, cSt	350
	• Diluent	Water with hardness lower than 250 ppm as CaCO <sub>3</sub>

Please note: The typical properties listed in this bulletin are not intended for use in preparing specifications for any particular application of Bluesil™ silicone materials. Please contact our Technical Service Department for assistance in writing specifications.

**Special Properties**

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After drying, **Bluesil™ EMUL 1635** film imparts the following properties:

- Excellent heat stability
- Chemical inertness
- Good water-repellency
- Excellent lubricating properties
- Gloss additive

**Regulatory Information** **Bluesil EMUL 1635** does not contain nonylphenol or alkylphenol ethoxylates (NPE or APE).

**Processing** **As an industrial mold release agent**  
**Bluesil™ EMUL 1635** is generally used diluted at concentrations of 0.2 to 1.2% active ingredients. Dilutions can be made by adding 50-250 parts of water to 1 part **Bluesil™ EMUL 1635** with moderate mechanical stirring.

The diluted **Bluesil™ EMUL 1635** must be applied to clean hot molds (up to 250°C) by spraying, brushing, or wiping with a pad.

**As an additive in maintenance products**

**Bluesil™ EMUL 1635** may be used as follows:

- As a gloss additive to furniture polish formulations
- As a gloss additive to tire shine formulations

The quantity of **Bluesil™ EMUL 1635** used will depend upon the desired effect and properties.

**Bluesil™ Emul 1635**
**Storage and shelf life**

**Bluesil™ EMUL 1635** is Freeze-thaw stable. If frozen, thaw product completely and mix gently to ensure uniformity before using this product. Stored in the original, unopened container from 5 – 40°C, **Bluesil™ EMUL 1635** can be stored for 12 months from the date of manufacture. Beyond this date, Elkem Silicones no longer guarantees that the product meets the sales specifications.

**Safety**

Please read the product label for **Bluesil™ EMUL 1635** and consult the Safety Data Sheet (SDS) before handling to review hazards as well as handling and storage information. If you need to obtain the SDS for **Bluesil™ EMUL 1635**, please contact your Elkem Silicones representative.

**Packaging**

**Bluesil™ EMUL 1635** is available in 200 kg drums and 1000 kg tote containers

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