

**RHODORSIL<sup>®</sup> EMULSION E 1 P**

Industrial release

<b>Description</b>	<b>RHODORSIL EMULSION E 1 P</b> is an oil in water emulsion containing 35 % of a silicone oil. It can be used in many industries.
<b>Advantages</b>	<ul style="list-style-type: none"> <li>• High resistance to heat: no thermal degradation which might leave carbonaceous residues.</li> <li>• High chemical inertness.</li> <li>• High water-repellent properties (glass industry).</li> <li>• Complete incompatibility with some organic materials.</li> <li>• Good lubricating properties.</li> <li>• Good softening effect (textile industry).</li> </ul>
<b>Examples of applications</b>	<ul style="list-style-type: none"> <li>• Mould release of technical rubber, tyres, plastics as well as foundry materials.</li> <li>• Lubricant for web-offset printing.</li> <li>• Silky sheen for furs.</li> <li>• Softener in textile finish formulations.</li> <li>• Water-repellent and antiadherent for industrial glassware.</li> <li>• Constituent of maintenance product and polishes: floors, furniture, leather, lubricating, anti-mottling and brightening agent in the printing industry.</li> </ul>
<b>Properties</b>	<ul style="list-style-type: none"> <li>• Appereance..... milky liquid</li> <li>• Viscosity of the base fluid at 25 °C, mm<sup>2</sup>/s, approx..... 300</li> <li>• Specific gravity at 25 °C, approx..... 1.0</li> <li>• pH, approx..... 6 to 8</li> <li>• Solvent..... none</li> <li>• Dry content, %, approx..... 40</li> <li>• Silicone content, %, approx..... 35</li> </ul>

# RHODORSIL® EMULSION E 1 P

## Processing

As a release agent, **RHODORSIL EMULSION E 1 P** should be applied to clean surfaces in dilutions to 30-100 times its volume by spraying, padding, or brushing. It is applicable to hot surfaces (up to 250 °C). Add the water in the emulsion (hardness of water < 250 ppm as CaCO<sub>3</sub>).

In the textile industry, **RHODORSIL EMULSION E 1 P** may be used as follows:

- for softening effect as an additive to finish formulations.- as a lubricant, after addition to sizing formulae provided that it should be compatible with other constituents of the formula; after treatment, drying occurs in the usual conditions, without polymerisation.
- as a brightener for natural or synthetic furs. The treatment is made using spray or lick roll techniques, and drying occurs in the usual conditions: a glossy appearance is thus obtained. **RHODORSIL EMULSION E 1 P** gives no water repellency to the substrates.

The quantity of **RHODORSIL EMULSION E 1 P** used will depend upon the desired effect and properties.

## Packaging

**RHODORSIL EMULSION E 1 P** is supplied in 25 and 200 kg drums and 1000 kg containers.

## Storage and shelf life

When stored in its original unopened packaging at a temperature of between + 2 and + 30 °C, **RHODORSIL EMULSION E 1 P** may be stored for up to 12 months from its date of manufacture (expiry date). Comply with the storage instructions and expiry date marked on the packaging.

Past this date Bluestar Silicones no longer guarantees that the product meets the sales specifications.

## Safety

Consult the Safety Data Sheet for **RHODORSIL EMULSION E 1 P**.

Visit our website [www.bluestarsilicones.com](http://www.bluestarsilicones.com)

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