

PULPSIL[®] 824 E

Silicone Antifoam Emulsions

PULPSIL[®] 824 E is a medium viscous, highly effective silicone antifoam emulsion, especially developed for the use in pulp mills.

Properties

PULPSIL[®] 824 E is characterised by:

- excellent long-term efficiency
- excellent knock-down efficiency, especially in hard-to-defoam black liquors
- high performance at low doses

Technical data

General Characteristics

| Property | Condition | Value | Method |
|-------------------------------|------------------|-----------------------------|------------------|
| Appearance | - | - | visual check |
| Density | 25 °C 1013 hPa | approx. 1 g/cm ³ | DIN 51757 |
| Diluent | - | in water | - |
| Reqired dosage ⁽¹⁾ | - | 0.09 - 0.9 kg/t pulp | - |
| Solid content | - | 24 % | Microwave oven |
| Viscosity, dynamic | 25 °C | approx. 2000 mPa·s | Brookfield |
| pH | 25 °C | approx. 5 | Indicator strips |

¹but depends greatly on the medium to be defoamed and on the process. Regional exceptions may apply. Please refer to PCS.

These figures are only intended as a guide and should not be used in preparing specifications.

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Applications

- Pulp Solutions

Application details

PULPSIL® 824 E acts primarily as an antifoam agent and drainage aid and may be added at various stages during the manufacturing process.

PULPSIL® 824 E is mainly applied to pulp-washing and screening processes, but is also effective during bleaching and in waste water treatment.

In general we recommend to stir the emulsion before use (approx. 3 minutes with a propeller stirrer at 200 – 400 rpm). But be cautious: too high shear can break the emulsion.

The emulsion should be added undiluted, as it is already sufficiently dispersed by its emulsion form. If a pre-dilution still should be necessary, we recommend dilutions with cold water in proportions of 3 parts emulsion : 1 part of water to max. 1 part emulsion : 1 part of water.

Sufficient quality of this pre-dilution should be checked by previous trials in laboratory scale.

For manufacture of the pre-dilution add first the emulsion and then add the water under weak stirring.

The ready-made dilution has to be agitated 2 to 3 times a day for 15 to 20 min by weak stirring and should be processed within few days.

Packaging and storage

Storage

Store in a dry place between 15°C and 25°C and protect against direct sunlight.

Minimum short-time temperature allowed during storage and transportation: 0°C

Maximum short-time temperature allowed during storage and transportation: 40°C

The 'Best use before end' date of each batch is shown on the product label. Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

QR Code PULPSIL® 824 E



For technical, quality or product safety questions, please contact:

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