RHODORSIL® ANTIFOAM 426 R

Defoamers

Description

RHODORSIL ANTIFOAM 426 R is a non-ionic aqueous emulsion based on polydimethylsiloxane oil. It has 30 % active matter content and is recommended for the prevention, control or elimination of foam in aqueous systems.

Examples of applications

RHODORSIL ANTIFOAM 426 R is multi-purpose: it therefore has applications in all types of industries that are faced with problems of controlling problem foams in aqueous systems, at all pH's.

- Oil and petrochemicals:
  - Scrubbing of natural or refinery gas with alkanolamines
  - Production of bitumen emulsions
- Agrochemicals: Pesticide compounds (aqueous dispersions)
- Chemicals: Distillation, Production of adhesives and glues
- Textiles industry: Dyeing, printing, oiler rolling.
- Rubber: Compounding of natural or synthetic latex
- Paints, inks, varnish: Production and filling
- Homecare products: Production and filling of polishes
- All industries: Effluent treatment

Special properties

- Easy to use: it can be used as delivered, or pre-diluted in water or in the aqueous system to be defoamed.
- Low dose efficiency, of around 10 to 1000 mg per kg of system to be defoamed
- Chemically inert with regards to the substance to be defoamed therefore leaving its properties unchanged.
- Good heat stability: can be heated to 120°C for 1 hour without modification of its characteristics or performance levels.

Characteristics

- Appearance: uniform, fluid emulsion
- Colour: creamy white
- Odour: none to weak
- Dry matter content, %, approx: 30
- Specific gravity at 25 °C, approx: 1.0
- pH, approx: 6.5
- Emulsifier: non ionic
- Diluent: water
- Effective concentrations, mg/kg: 10 to 1,000

Working procedure

RHODORSIL ANTIFOAM 426 R is most efficient in aqueous systems:

- at all pH's
- in highly turbulent systems.

RHODORSIL ANTIFOAM 426 R is normally used at concentrations of between 10 and 1000 mg/kg (or per litre) of system to be defoamed.
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RHODORSIL ANTIFOAM 426 R is ready to use as delivered, or it can be pre-diluted to around 1 % active matter by slowly adding, 29 parts water or foaming system to 1 part of antifoam.

Doing this in reverse order is not recommended.

Prediluting in this manner makes it easier to disperse the antifoam in the system to be defoamed and enables more accurate dosage.

Comment: it is not recommended to store solutions of RHODORSIL ANTIFOAM 426 R pre-diluted to less than 1 % dry content due to their limited stability over time.

Packaging

RHODORSIL ANTIFOAM 426 R is normally delivered in 25 or 200 kg packs.

Storage and shelf life

When stored in its original unopened packaging at a temperature between + 2 °C and + 30 °C RHODORSIL ANTIFOAM 426 R may be stored for up to 15 months from its date of manufacture (expiry date).

Comply with the storage instructions and expiry date marked on the packaging.

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

Safety

Consult the Safety Data Sheet for RHODORSIL ANTIFOAM 426 R.

Visit our website www.bluestarsilicones.com

Warning to the users

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