

Technical information

Defoamers Chemical

Anti-Foam Agents

Rockdefoam DMS-100 is a dimethyl polysiloxane and silanes based high active silicone defoamer. It is used in aqueous and non-aqueous systems. The product can be prediluted with 2-Ethyl hexanol, Toluene, M.E.K or similar solvents before usage. In toxicological aspects It is considered as a harmless product.

Properties:

Appearance: White to grayish, opaque liquid

Nature: Dimethyl polysiloxane

Activity %: 98 ± 1

Odor: Neutral

Flash point °C: >200

Setting point °C: -50

Viscosity at 25°C: S4 R100 5000-5600

Density(kg/m³): 970 - 980

Solubility: Insoluble in water, soluble in solvents, white oil and some alcohols

Solidification Point: +5°C

Safety : According to our best experience, it hasn't any harmful effect on health

Packing: 100 kg's, 200 Kg's PE drums

Rockdefoam DMS-100

Applications & Recommendation

This product is used in the following industries in both pure or emulsified:

- Chemical and petrochemical industries
- Textile and leather industries
- Producing of cleaning agents
- Producing of epoxy resins
- Filling processes
- Distillation and gas washing
- Oilfield industries
- Aqueous and non-aqueous polymerization processes
- Refinery process
- PVA polymerization
- Acrylic polymerization

The dosage of consumption varies to the type of application and is 0.001-0.01 g/l.

HOW TO EMULSIFY IT

Rockdefoam DMS-100 is not water soluble but it can be emulsified with (Rockapon FAE-1830) as follow:

1. Charge 1 part Rockdefoam DMS-100
2. Add 2 parts Rockapon FAE-1830
3. Mix it for a while to uniform
4. Add certain quality of DM water to obtain desired percentage of defoamer emulsion after 2-3 hours
5. Add 0.1% preservative.

Please note:

- * Water must be di mineralize water
- * No need to any heating but if you want to heat ,the temperature must not be more than 45°C-50°C
- * Stirrer RPM of must not be more than 45-55, the viscosity and power of defoamer emulsion will be effected accordingly.
- * If you do not add water into base defoamer and emulsifiers, it will separate after sometimes, hence you can not present 100% solid.

NOTE: According to our best knowledge and technical experiments, the above data is true and accurate. Regarding to variety of consumption procedures, it is recommended to evaluate the information before use.

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