



CGM CIGIEMME S.p.A.



Controlli Non Distruttivi - Non Destructive Testing

Product Code
02098040

Ref. no.
A43

**Product Data
Sheet**

DEFOAMER A43

PRODUCT DESCRIPTION

Defoamer A43 is a concentrated liquid product for conditioning aqueous suspensions of magnetic particles, specifically formulated to prevent foam formation.

COMPOSITION

Mixture based on silicone polymers in a liquid state with non-ionic character.

N.B.: As with all CGM products, the A43 Defoamer is closely monitored to ensure batch uniformity, optimal process verification and control reliability.

SPECIFICATIONS

- Easy to use.
- Effective at low concentrations.
- Excellent ability to prevent foaming.
- It promotes the dispersion of magnetic particles in the suspension.
- Effective over a wide pH range (2-14).
- Effective at both high and low temperatures.

PACKAGING TYPE

- 100 ml containers

APPLICABILITY

It is ideal for:

- Use in magnetic particle suspension recirculation tanks.
- Intended for aqueous suspensions.

INSTRUCTIONS FOR USE

TIP: always operate according to a procedure authorised by a 3rd level in Magnetic Particle Inspection.

- Take the required amount of Defoamer A43 (recommended range: 0.05-0.5%) depending on the water volume in the bath and dilute it beforehand 1:10 in cold water to facilitate proper dissolution.
- Add Defoamer A43 diluted as above to the bath water, stirring the solution to homogenise it.
- Add the magnetic particles in the amount prescribed by the procedure.
- Shake the suspension for optimal dispersion of the particles.
- Check the concentration of the suspension with the sedimentation glass tube before use.
- Remember that failure to comply with the dilution values may result in excessive foaming.



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PROPERTIES AND PRODUCT COMPARISON

	A43	A44	A38	1883
Shape and colour	Milky liquid	Opalescent liquid	Milky liquid	Amber-coloured transparent liquid
Odour	Odourless	Characteristic	Characteristic	Characteristic
Density at 20° EN ISO 12185	1.0 g/cm ³	1.0 g/cm ³	1.0 g/cm ³	1.0 g/cm ³
pH ISO 4316	7.5	9	6	9
Solubility	In water	In water	In water	In water

Typical values.

RECOMMENDATIONS FOR THE USER

NDT method	Magnetic Particles Inspection
Shelf life	3 years at a temperature between 5°C and 45°C
Usage temperature	From -5°C to +55°C
Dilution	0.05-0.5%
Magnetic Particles	K35-K40-K150-K755-K31/73
Preliminary cleaning	Velnet/Solnet

BENEFITS

- Economical because effective at low concentrations.

HEALTH AND SAFETY

Read all health and safety information before using this product. This information can be found in the Safety Data Sheet, available on request.

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