

ZAF-2

Non-Silicone Antifoam

ZAF-2 is an excellent general-purpose defoaming additive to eliminate and prevent foaming in water-based magnetic particle suspensions, aqueous penetrant developer baths, hydrophilic penetrant remover baths and aqueous cleaning solutions. A few drops of ZAF-2 are enough to eliminate foaming in most water-based solutions.

ZAF-2 can be sprinkled onto the surfaces of baths to eliminate foaming. It is not intended to remove fine lather which may occur in recirculating baths where there is excessive air intake in the recirculation pump.



BENEFITS

- Easy to use
- Effective, concentrated formula
- Silicone free

SPECIFICATION COMPLIANCE

- ASTM E709
- ASTM E1444

APPLICATIONS

Ideal for:

- Water-based magnetic particle suspensions
- Aqueous penetrant developer baths
- Hydrophilic penetrant remover baths
- Aqueous cleaning baths

PROPERTIES

Appearance	Transparent liquid
Color in Visible Light	Clear, colorless
Color in UV Light	Nonfluorescent, colorless
Odor	Mild, Glycol

USE RECOMMENDATIONS

NDT Method	Magnetic Particle Testing, Wet Method
Usage Temperature	42 to 120°F / 6 to 48°C
Storage Temperature	50 to 86°F / 10 to 30°C

INSTRUCTIONS FOR USE

Use to reduce excess foaming in water-based systems.

Add a few drops of ZAF-2 to the foaming solution. Allow five minutes for ZAF-2 to take full effect. If foam persists, add a few more drops. Alternatively, use a small spray bottle to mist ZAF-2 over accumulated foam instead of adding dropwise.

ZAF-2 may be used up to a maximum concentration of 1% by weight. Add sparingly, excessive amounts of antifoam can reduce the wetting properties of a bath or cause particle agglomeration.

Water	ZAF-2
1 gallon	< 1.3 fl oz
1 liter	< 10 mL

In recirculating baths, such as those in magnetic particle wet benches, a fine lather occasionally builds up which ZAF-2 cannot effectively handle. This condition is due to air being drawn into the return line and beaten into the bath by the pump. When this condition occurs, look for the air leak (either a vortex forming over the outflow pipe of the sump or a leak in the plumbing upstream from the pump) and correct it.

PACKAGING

1 gal / 3.78 L jug 01-9410-20

HEALTH AND SAFETY

Review all relevant health and safety information before using this product. For complete health and safety information, refer to the product Safety Data Sheet, which is available at www.magnaflux.com.