CGM CIGIEMME S.p.A.

Italy
...since 1958

Controlli Non Distruttivi - Non Destructive Testing

Product Code 02098120

Ref. no. S45

Product Data Sheet

SCHIUMVEL

PRODUCT DESCRIPTION

A product based on surfactants that detects gas or compressed air leaks in pipes, valves, hoses, fittings, cylinders, pressure tanks, etc. Non-flammable, non-polluting, non-staining, non-soiling, does not promote oxidation, and does not form combustible mixtures when in contact with gases. Applied to the surface to be checked, it instantly signals even the smallest gas leak through the formation of microbubbles. Easy to use and immediate results: it guarantees long-lasting bubbles due to its high viscosity.

COMPOSITION

Mixture of water and surfactants.

N.B.: Like all CGM products, Schiumvel is tightly controlled to ensure batch uniformity, optimal process verification and control reliability..

SPECIFICATIONS

- Easy to use.
- Free from silicones, oils, fats, aliphatic amines, and other nitrogen compounds.
- Excellent foam generation capability.
- Excellent detection of both large and small leaks.
- Prolonged bubble action works even on very small leaks and vertical surfaces.

PACKAGING TYPE

- 10 L cans

APPLICABILITY

It can be applied by jet, spray, brush, pad, or by immersion after diluting 1 part of Schiumvel in 1 or 2 parts of water.

It is ideal for:

- Pipe joints.
- Connections and fittings.
- Brazing or welding.
- Shut-off valves.
- Flexible hoses.
- Tanks.
- Reservoirs.
- Pressure vessels.

INSTRUCTIONS FOR USE

- Dilute the product as needed: the smaller the leaks to be detected, the higher the concentration should be.
- Apply a thin layer of Schiumvel on the outer surface of the part to be inspected.
- Then, it will be sufficient to introduce compressed air at 0.5-1 atm into the cavity of the part under inspection. In the event of a leak, it will cause the formation of large groups of foam bubbles at large leak points or white foam at very fine leak points.
- It is not necessary to remove Schiumvel after the inspection.

CGM CIGIEMME S.p.A.
Via Adda, 21 - 20073 Opera (MI) Italy - Tel.: +39 02 57.600.400 - Fax: +39 02 57.603.618
Web: www.cgm-cigiemme.com - Mail: cgm@cgm-cigiemme.it
N. Registro Imprese, C.F. e P.I.: 05732470967 - N. REA: Mi -1843908 - Capitale Sociale: EURO 500.000.00 I.V.
Informativa ex art. 13 D.Lgs 196/2003 e art. 13 del Reg. UE 2016/679 disponibile sul sito www.cgm-cigiemme.com, sezione "privacy policy"

PROPERTIES

		Reference Standard
Shape and colour	Colorless transparent liquid	
Odour	Odourless	
Density at 20°C	≈1,0 g/cm^3	EN ISO 2811-1
pH	≈8	EN ISO 4316
Flash point	Non-flammable	
Solubility	Water	

Typical values.

RECOMMENDATIONS FOR THE USER

NDT method	Leak Testing
Shelf life	3 years at a temperature between 5°C and 45°C
Usage temperature	From 4°C to 52°C
Dilution	30-50%
Preliminary cleaning	Velnet/Solnet

COMPLIANCE WITH STANDARDS

- ASME Sec. V Art. 10 – Appendix I-II
- EPA Part 60, Appendix A, Method 21, Sect. 4.3.3

BENEFITS

- Long-lasting bubbles, thanks to high viscosity.
- Effective at both high and low temperatures.
- Dries cleanly and without staining.

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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