



CGM CIGIEMME S.p.A.



Controlli Non Distruttivi - Non Destructive Testing

Product Code

Spray: 03011010

Cans: 02011000

Ref. no.

R2.60S

R2.60

Product Data Sheet

VELNET/SOLNET

PRODUCT DESCRIPTION

Velnet/Solnet is a solvent to be used for preliminary and final cleaning in liquid penetrant inspection and/or to remove penetrant excess from the surface prior to developer application. Its excellent characteristics allow it to be used on a wide range of surfaces to remove oils, grease and various contaminants. The product was developed considering all application aspects for use in non-destructive testing. It allows fast and complete pre-cleaning and is specially designed for optimal removal of solvent-washable penetrants without the risk of over-washing. It is also suitable for the removal of the full range of CGM developers during final cleaning.

COMPOSITION

Solvent, mixture of alcohols and ketones.

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

SPECIFICATIONS

- It evaporates quickly.
- Leaves no residue.
- It is suitable for use with the entire range of CGM penetrant products.
- The cleaning action is not overly aggressive.

PACKAGING TYPE

- 400 ml spray cans
- 10 L cans
- 200 L metal drums approved for ADR transport

APPLICABILITY

Applicable by spray, brush or dipping.

The product is highly flammable and the solvent highly evaporative. Therefore, it must be used in open and ventilated rooms, in the absence of open flames, sparks and heat sources.

Vacuum systems must be explosion-proof. The operator must have personal protective equipment (mask, gloves, suitable clothing).

It is ideal for:

- use where low-sulphur and halogen products are required;
- the removal of oil and grease.

INSTRUCTIONS FOR USE

For preliminary or final cleaning

- Spray the surface to be cleaned with Velnet/Solnet and allow to air dry.
- Alternatively, moisten a clean cloth or paper towel and clean the part. Allow to evaporate before applying the penetrant.



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For removal of penetrant excess

- Wipe off penetrant excess with paper towels or a clean cloth as much as possible.
- Moisten a clean, dry, lint-free cloth or paper towel with the solvent and wipe the area to be inspected.
- Check the effectiveness of cleaning with a clean, dry, lint-free cloth or paper towels.
- If used with fluorescent products, the final check must be carried out under ultraviolet light.

DO NOT spray or apply solvent directly onto the surface to be inspected in order not to affect the sensitivity of the inspection.

PRODUCT PROPERTIES

	Velnet/Solnet	Velemulsior H ₂ O	Velemulsior H ₂ O High Concentration
Appearance	Clear colourless liquid	Colourless transparent liquid	Colourless transparent liquid
Odour	Characteristic	Odourless	Odourless
Flash point ASTM D 93-A	About 20°C	Non-flammable	Non-flammable
Density at 20° EN ISO 12185	0.79 g/cm ³	1.05 g/cm ³	1.05 g/cm ³
Solubility	NA	In water	In water
Penetrant excess removal	Method C (Class 2)	Method D	Method D

Typical values.

	Detergent H ₂ O	Velnet/Solnet
Appearance	Pinkish transparent liquid	Colourless transparent liquid
Odour	Odourless	Characteristic
Flash point ASTM D 93-A	Non-flammable	About 20°C
Density at 20° EN ISO 12185	1.05 g/cm ³	0.79 g/cm ³
Nature	Water-based	Organic
How to use	Final cleaning	Preliminary and final cleaning

Typical values.



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USER RECOMMENDATIONS

Shelf life	3 years at a temperature between 5°C and 45°C
Usage temperature	From 4°C to 52°C
Water-washable penetrants	The entire CGM range
Post-emulsifiable penetrants	The entire CGM range

COMPLIANCE WITH STANDARDS

- EN ISO 3452-2
- ASME V Art. 6
- ASTM E165
- AMS 2644 (Complies with the standard, but not included in the QPL list)
- PMUC (certificate of conformity on request)

- Its dual action as a cleansing and removing agent makes it particularly versatile.
- It allows reliable inspection without the use of water.
- It evaporates quickly, leaving the surface dry and free of residues that could generate false indications.

BENEFITS

- It is supplied in spray or cans form for quick and effective use.

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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