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NON AQUEOUS WET DEVELOPER D-106



MANUFACTURER : Sherwin Inc. (USA) / NDT-Europa (NL)

DESCRIPTION / APPLICATION(S) :

Non aqueous wet developer, giving enhanced sensitivity for locating tight, incipient flaws.

Companion products : all penetrants (fluorescent or red dye)
 Low temperature penetrant LTP82

SPECIFICATION(S) / STANDARD(S) :


- Conforms to code(s) : ASME
 standard(s) : ISO 3452-2
- Homologation : QPD-AMS 2644
- This product complies with REACH regulation.

PHYSICO-CHEMICAL PROPERTIES:

- Aspect : white powder in suspension in an organic medium.
- Flash point : -15° C
- Very low halogen and sulfur content
- Compatible with all metals, ceramics, and certain synthetic materials.

PACKAGING / TRANSPORT / STORAGE :

- **Packaging** : 300mL spraycan
 1L, 5L, 10L, 25L can
 60L, 200L drum
- **Transport / Handling** : Refer to Material Safety Data Sheet (MSDS).

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- **Storage / Shelf life :** Keep away from moisture
Temperature range : 0°C à 50°C
Keep packaging closed after taking out some of the product
Can / drum : 60 months
Spraycan : 48 months

INSTRUCTIONS :

Application :

Spraying is the only recommended method of applying D-106. Proper application is essential for high sensitivity performance.

D-106 should be applied to thoroughly dry parts from which excess surface penetrant has been removed by a pre-wash step, an emulsifier/wash step, or by wiping. After agitating the D-106 suspension, evenly spray a light, slightly wet coating of developer onto the dry surface of a part. An overly wet application will blur indications ; an overly dry application lacks full developing action. Two or three light applications work better than a single heavy application. Too heavy an application may conceal indications.

If you suspect particularly thin discontinuities, it may be relevant to wait for more than 30 minutes before inspection.

Developing and inspection :

D-106 dries rapidly and draws flaw-entrapped penetrant back to the surface using solvent and capillary action. Flaw marks begin appearing instantly under plain or black light, depending on which penetrant is being used. Five minutes or more should elapse before making final interpretations.

The inspection is usually done between 10 and 30min after the drying of developer.

Cleaning:

D-106 developer is very easy to wash off using a cloth or water.

HEALTH AND SAFETY : Refer to Material Safety Data Sheet (MSDS).

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