 <p>15 rue des Frères Lumière – BP 136 78374 PLAISIR FRANCE Tél : 01.30.80.81.98 Fax : 01.30.80.81.99 WEB : www.sherwinbabbco.eu E-MAIL : sherwinbabbco@orange.fr</p>	<p>TECHNICAL</p> <p>DATA SHEET</p>	<p>Ref : TDS/ D-100</p> <p>Page : 1/3</p> <p>Rev : 7 Date : 12/2012</p>
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D-100 NON AQUEOUS WET DEVELOPER



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

DESCRIPTION / APPLICATION(S) :

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

Companion products: any type of penetrant (fluorescent or colored) used in the “normal range of temperature (+10°C. to +50°C.)” as defined in ISO 3452. For other temperatures, please ask us.

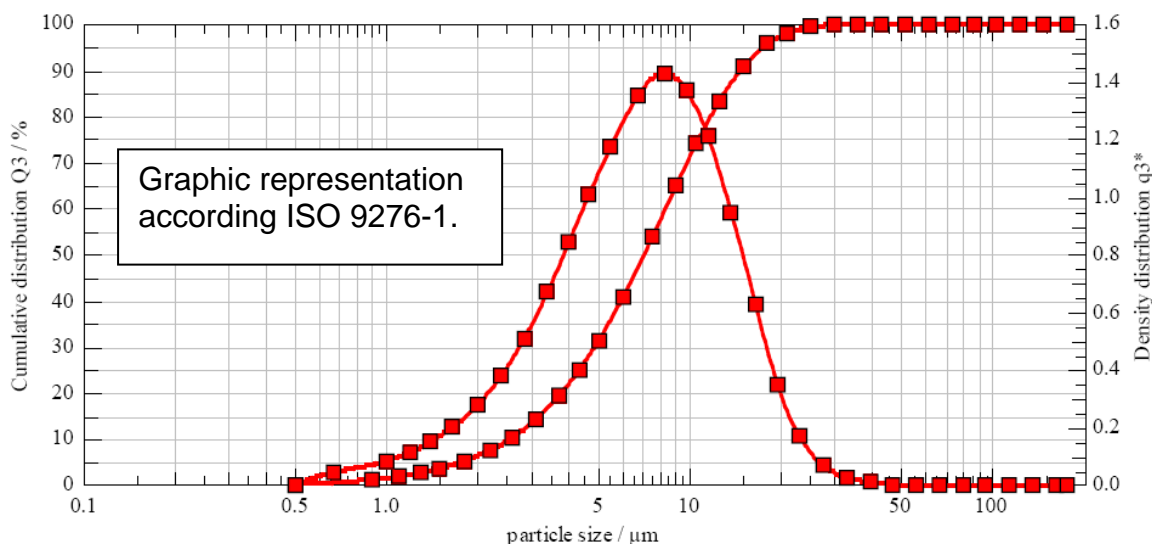
Companion products : all penetrants used at normal temperature

SPECIFICATION(S) / STANDARD(S) :

- Conforms to code(s) : ASME, RCC-M
 standard(s) : ISO 3452-2
 specification(s): AIRBUS
 EUROCOPTER
 PRATT&WHITNEY
 ROLLS-ROYCE (OMAT:617D)
 SAFRAN
- Homologation : PMUC (French acronym for : Products and Equipments allowed for use in power plants operated by EDF-French Electricity Board)
- Homologation : QPD-AMS 2644
- This product complies with REACH regulation.

PHYSICO-CHEMICAL PROPERTIES:

- Aspect : white powder in suspension in an organic medium.
- Flash point : 12° C
- Very low halogen and sulfur content
- Compatible with all metals, ceramics, and certain synthetic materials
- Granulometry : X10 = 1,8µm / X90 = 14µm / X99 = 24µm according ISO 13320-1

**PACKAGING / TRANSPORT / STORAGE :**


- **Packaging :** 300mL, 500mL spraycan
1L, 5L, 10L, 25L can
60L, 200L drum
- **Transport / Handling:** Refer to Material Safety Data Sheet (MSDS).
- **Storage / Shelf life :** Keep away from moisture
Temperature range : 0°C à 50° C
Keep packaging closed after taking out some of the product

Spraycan / can / drum : 60 months

INSTRUCTIONS :**Application :**

Spraying is the only recommended method of applying D-100. Proper application is essential for high sensitivity performance.

D-100 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-100 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.

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

Developing and inspection :

D-100 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.

Cleaning:

D-100 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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