

**Approvals and conformities**

ISO 9934-2  
NFF 00-090

**Manufacturer : BabbCo (F)****Description / Application :**

Black magnetic ink for inspection under **white** light :

- Very thin
- Very stable
- Distributed in spray can and concentrates

Can be used with any magnetic field generator (current passing, hand yokes, permanent magnets).

**Companion products :** White background B104A, B102A "Pellical"

***DIRECTIONS FOR USE***

We advise to clear the piece from any paint, oxide, soldering flows, etc..., likely to give false indications, and to degrease carefully and thoroughly.

Best results are obtained by using BabbcoSafe 820A between 10 and 35°C.

Prior application of the B104A or B102A "Pellical" contrasting white background is strongly recommended. The contrast with BabbcoSafe 820A shall then be enhanced significantly, causing reading to be easier and detection to be safer.

**Use in spraycan :**

Once the B104A or B102A "Pellical" is dry, shake the BabbcoSafe 820A vigorously until the ball tinkles clearly.

Spray BabbcoSafe 820A during 3 to 5 seconds on the area to be inspected **during the magnetisation**. Carry on magnetising for 2 to 3 seconds after you stop spraying, so that the particles can take their place properly.

**Use of concentrate :**

Stir the bottle of 250mL thoroughly before pouring the content in a 10L can (concentrate of 1L in 40L and concentrate of 5L in 200L). Rinse the bottle twice with water, pour in the 10L can, then add water for a total volume of 10L, (40 or 200L depending of the quantity of the concentrate). The product is then ready to use (dilution at 2.5%).

Before any use, stir the product thoroughly to ensure consistent concentration. When the BabbCoSafe 820A is in a bench, switch on the recirculating pump before inspection for homogenisation.

Inspection is done under white light according EN ISO 3059.

## **TECHNICAL CHARACTERISTICS**

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Water-based solution containing anticorrosion and wetting agents. Non-flammable, no odour, no vapour

Concentration : 3,0 g of magnetic particles/L

**For spraycan:**

- Propellant : CO<sub>2</sub>
- Concentration : 3,0 g of magnetic particles/L

**For concentrate to be diluted at 2.5% maximum:**

- Concentrate: pH > 8.9
- Diluted product: pH around 8.7
- Granulometry . . . . . 0,5-10µm / average value 1,5µm

## **PRECAUTIONS FOR USE AND STORAGE**

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**Transport:** Refer to Material Safety Data Sheet (MSDS)

**Storage :** Keep away from moisture

Temperature range : 10°C à 50°C

Keep packaging closed after taking out some of the product

**This technical data sheet replaces and cancels the previous one.**

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1 Date : 05-07-2017 Written and checked by : F. Héron