

MAGNAGLO/MAGNAFLUX MG-MX CARRIER II



OIL-BASED CARRIER

General description

Our MG-MX Carrier II is an oil-based carrier fluid used for the suspension of all Magnaglo and wet method magnetic particles. It has a low odour and contains special additives to minimise background fluorescence when using fluorescent materials.

Benefits

- Low odour
- High flash point
- Supplied ready to use

Typical Properties (not a specification)

Property	MG-MX Carrier II
Composition	A blend of petroleum distillates.
Form and colour	Mobile clear liquid
Flash point	> 93°C
Density	0.8 g/ml
Viscosity at 38°C	2.5 mm ² /s
Sulphur content	< 250 ppm
Chloride content	< 250 ppm
Storage temperature	10°C - 30°C
Usage temperature	10°C - 50°C

Like all Magnaflux materials, MG-MX Carrier II is closely controlled to ensure batch-to-batch consistency, optimum process control and inspection reliability.

General Method of Use

- **Clean the component** before testing to ensure a suitable test surface and prolong bath life.
- **Add your magnetic powder** to MG-MX Carrier II at the required concentration and mix thoroughly. Check the ink strength before use.
- You will need to continually **agitate the ink during testing** to ensure an even suspension of particles.

During use, the magnetic content of any ink will become depleted so you will need to check it at least once a day. The most widely-used way of checking an ink's settlement volume is by using a graduated ASTM pear-shaped centrifuge tube.

When the settlement volume approaches the lower limit, you can add more powder/concentrate to the bath as long as it is still clean and uncontaminated. If the bath looks contaminated, or if it has been in use for a long time, replace the contents.

After inspection, remember to completely demagnetise your components before cleaning, to ensure easy removal of any residual powder particles.

Recommended Products

Product type	Product Name(s)
Cleaner	SKC-S
Wet method fluorescent magnetic particles	Magnaglo 14A, MG 410, MG 601
Centrifuge Tube for fluorescent ink (part no. 044C005)	

Specification Compliance

Specification	MG-MX Carrier II
A-A-59230	✓
AMS2641B	✓
ASME B & PV Code, Sec V	✓
ASTM D93	✓
ASTM E1444/E1444M	✓
ASTM E709	✓
MIL-STD-2132D	✓
NAVSEA T9074-AS-GIB-010/271	✓
Pratt & Whitney PMC 1887-1	✓

MG-MX CARRIER II

Availability

Unit	Part number
25 litre containers	058C024
200 litre drums	058C028

Health and Safety

Read the relevant Safety Data Sheet for this product before use. Safety Data Sheets are available on request from your Magnaflux distributor or via the Magnaflux website:

www.eu.magnaflux.com