

MAGNAGLO/MAGNAVIS®

MAGNAGLO MX/MG CARRIER II

OIL BASED
CARRIER FOR MPI

General Description

Magnaglo MX/MG Carrier II is an oil based carrier fluid used for the suspension of all Magnaglo and wet method magnetic particles.

MX/MG Carrier II has a low odour and contains special additives to minimise background fluorescence when using fluorescent materials.

Composition

MX/MG Carrier II consists of a blend of low odour high flash petroleum distillates.

Method of Use

MX/MG Carrier II is supplied ready to use. The magnetic particles should be added to the carrier at the recommended concentration and thoroughly mixed to ensure an even suspension. The bath strength should be checked prior to use.

Components should be cleaned prior to testing to provide a suitable test surface and to prolong bath life. This can be easily and effectively achieved by using a solvent cleaner such as Spotcheck SKC-S or SKC - I.

The bath must be mixed thoroughly prior to use and must be kept agitated during testing.



Typical Properties (not a specification)

Property	Magnaglo MX/MG Carrier II
Colour	Clear to Pale yellow, non fluorescent
Flash point	> 93 °C
Density	0.76 - 0.80 g/ml
Viscosity at 38 °C	< 3 mm ² /s
Sulfur content	< 1000 ppm
Chloride content	< 1000 ppm
Odour	Very mild

Like all Magnaflux materials Magnaglo MX/MG Carrier II is closely controlled to provide unique batch to batch consistency and uniformity to assure optimum process control and inspection reliability.

Benefits

- ✓ Low odour
- ✓ High flash point
- ✓ Easy to use
- ✓ Cost effective

Bath Replenishment/Concentration Control

When in use, the magnetic content of any bath will become depleted. To guard against this the bath strength should be checked at least once each day.



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The most widely used method of control is by settling volume using a graduated ASTM pear shaped centrifuge tube.

	7 C BLACK	9C RED	14A	MG – 410
Recommended concentrations	9.36g/L	9.36g/L	1.25g/L	0.75g/L
60 minutes settling volume (Typical values)	1.30ml	1.55ml	0.21ml	0.08ml

When the settling volume approaches the lower limit then additions of the appropriate particles can be made to the bath, providing the bath liquid is still clean and uncontaminated.

If the bath appears contaminated or has been in use for any length of time, the contents should be replaced.

After inspection the components should be properly demagnetised before cleaning to insure ease of particle removal.

Specification Compliance

Specification	MX/MG Carrier II
ISO 9934-2	✓
A-A-59230C	✓
AMS 2641A	✓
ASME B & PV Code, Sec V	✓
ASTM E-1444	✓
ASTM E-709	✓
PRATT & WHITNEY PMC 1887	✓

Availability

MX/MG Carrier II is available as follows:

- 20 litre containers, part number F03006
- 205 litre drums, part number F03007

Health and Safety

- Safety Data Sheets for this product are available on request from your Magnaflux distributor or via the Magnaflux website (www.in.magnaflux.com).
- Read the relevant Safety Data Sheets before use.

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F/MKTG/09/02 Rev 8/2020

