

BM1 HYDRONIC SYSTEM INHIBITOR INSTRUCTIONS

BM1 provides high performance heating system protection by preventing system corrosion and scale. It is supplied by Eclipse Magnetics, manufacturers of the BoilerMag range of high quality magnetic heating system filters. BM1 is classified as non-hazardous and while delivering effective protection against corrosion and limescale is non-toxic and biodegradable. ISO 14001.

Suitable for use with all plastics and metals commonly found in central heating systems including aluminum.

BuildCert/NSF approved.

Inhibitor is a pH stabilized molybdate based inhibitor with an organic acid buffer with synergistic scale inhibitors and preservative. Look for molybdate (as MoO4) levels of 50-75ppm in recently treated systems.

The following raw materials are NOT present in the formulation:

- Phosphate – this can block wet bearings of circulator pumps
- Nitrate – cheap and not good for the environment
- Borate – potential carcinogen
- EDTA – not good for the environment

PHYSICAL PROPERTIES:

Appearance	Liquid
Colour	Straw
Odour	Mild aromatic
pH	8.2 (8.0 - 8.5)
Relative density	1.09 (1.05 - 1.10)
Solubility (water)	Soluble in cold and hot water
Dosage	1 pint (500ml) per 25 gallons system capacity - up to 10 radiators

SAFETY:

- Keep out of reach of children
- Dispose of contents/container in accordance with national regulations
- Safety data sheet available on request
- Not suitable for use in single feed PRIMATIC cylinders

FEATURES:

For open vented and sealed systems. To introduce BM1 to the system, add via the header tank, system filter, power-flush machine or dosing vessel. Dose following a system flush.

BOILERMAG RESIDENTIAL CHEMICAL DOSING:



Isolate boiler. Close isolation valves. Open drain valve to release air pressure. Close drain valve. Remove air vent screw (1) or fully remove air vent (10). Connect dosing device (3). Open outlet isolation valve. Apply dose 1 pint (500ml) (max). Close outlet isolation valve. Remove dosing device. Replace air vent screw. Open both isolation valves. Turn on heating system to flush. Vent system if required.

BoilerMag vessel takes 1 pint (500ml), so the entire pint dose can be added. Recirculate for 20 minutes and then use an indicator test strip to confirm the indicator has been added at the correct concentration.

For dosing with a funnel, air vent can be fully removed. Do not allow chemicals to remain static in the BoilerMag.

TESTING BM1 INHIBITOR CONCENTRATION:

Use BM1 Level Indicator Strips. Drain off a small amount of system water and dip the tip of the test strip for one second. Shake off any excess liquid. After ten seconds compare to the colour scale. It is better to overdose inhibitor than underdose.

