

# WATER TREATMENT

## CORROSION, SCALE AND BIOLOGICAL INHIBITORS



### Technical Description:

Mouldpro Inhibitors have been specially formulated from Propylene or Ethylene Glycol for use as an Industrial Grade additive for use in Mould Cooling and Heating systems.

Adding the inhibitors to your cooling water will help protect your cooling circuits from corrosion and scale buildup, and will improved heat transfer characteristics, including; lower Dynamic Viscosity and higher Thermal Conductivity.

### Application:

As per BSRIA guide BG 29/2012 all pipe-work systems should be clean and free from biological contamination and debris prior to commissioning. To minimise corrosion air ingress should be minimized. A pressurised system is best.

Determine the total system volume and add the inhibitor to the system according to the concentration required. The minimum dose of inhibitor should not be less than 22% of the system volume and the maximum should not normally exceed 60%. We recommend the use of deionised, distilled or UltraPure™ water for this dilution. Avoid water containing high levels of calcium salts or Chlorides [Cl-].

### Properties:

Type:	Ethylene Glycole
Temperature Range:	-50°C to +140°C
Density:	1.04-1.15 g/cm3
pH-Value:	7.5-10.5
Corrosion protection standards:	ASTM D1384 DS6580
Toxicity rating – Hodge and Sterner Scale:	Relatively Harmless
LD50 Value:	None
Biodegradability:	Readily biodegradable 90% over 10 days
Shelf Life:	3 years when stored in sealed containers and out of direct sunlight

