

# Promosol X - Hard Water

## TECHNICAL DATA SHEET

### Promosol X – Hard Water

#### Description

A high quality, chlorine free, bio-stable water-miscible coolant designed to give outstanding performance when machining a wide variety of materials from aluminium alloys to steels and cast iron. It has been designed for use in hard water.

Promosol X – Hard Water derives its performance from a synergistic blend of high lubricity and extreme pressure additives which help to provide the user with a coolant capable of meeting the most demanding requirements in terms of surface finish and tool life.

It produces a highly stable fine milky emulsion which provides a very clean working environment and which also tolerates hard waters and is very low foaming in soft waters.

Promosol X – Hard Water provides excellent corrosion protection and is low-staining to sensitive materials.

#### Benefits

- Excellent lubricity
- Excellent EP performance
- Extended sump life
- Chlorine free formulation
- Excellent surface finish
- Enhanced tool-life
- Low foaming
- Suitable for sensitive alloys

#### Typical Physical Properties

Appearance	Yellow liquid
Emulsion Type	Fine milky
Foaming Tendency	Low
Specific Gravity at 20°C	0.96
Lubricity	Very High
Refractometer Factor	1.25
pH @ 5%	9.1

#### Recommended Dilutions

- General machining of free cutting metals: 4 – 5%
- Difficult operations/materials: 8 – 10%