

## TECHNICAL DATA SHEET

### Coolant HFE-H

#### Description

A high quality, chlorine free, biostable water-miscible coolant designed to provide the user with a robust, long sump-life product that is compatible with a wide variety of materials. It is highly tolerant of microbial contamination and rejects tramp oil very effectively.

Coolant HFE-H has a relatively high oil content which, in conjunction with high lubricity additives, allow a high quality surface finish to be achieved coupled with prolonged tool life.

It is suitable for use in a wide variety of water qualities, is low foaming and forms an exceptionally stable semi-translucent emulsion. In particular, Coolant HFE-H has been designed to cope with the problems caused in hard water areas by keeping scum formation down to an absolute minimum. This means that Coolant HFE-H will maintain system cleanliness far beyond that of more conventional coolants.

Coolant HFE-H has been formulated with the operator in mind and as such is free of any hazard labelling making it a safe and pleasant coolant to use.

#### Benefits

- Excellent lubricity
- Highly stable emulsion
- Extended sump life
- Hazard free formulation
- Compatible with waters >400ppm hardness
- Enhanced tool-life
- Low foaming
- Multi-metal compatible

#### Typical Physical Properties

Appearance	Yellow liquid
Emulsion Type	Semi translucent
Foaming Tendency	Low
Specific Gravity at 20°C	0.94
Lubricity	High
pH @ 5%	9.4

#### Recommended Dilutions

- General machining of free cutting metals: 4 – 6%
- Difficult operations/materials: 8 – 10%

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