

## TECHNICAL DATA SHEET

# XP 2000

## Premium Semi Synthetic Metalworking Coolant

Code 7470

### DESCRIPTION

Callington XP 2000 is a high-performance, chlorine-free, extreme pressure semi-synthetic metalworking coolant. It has been formulated for use in soft water as well as hard waters and exhibits extremely low foam and excellent stability under a wide range of conditions.

### FEATURES & BENEFITS

- Excellent surface finish and extended tool life, even in difficult operations
- Suitable for a wide range of materials and machining operations
- Exceptional product stability and long coolant life
- Excellent corrosion protection, non-staining
- Non-aggressive to paints and compatible with seals commonly used in machines



### APPLICATION

Callington XP 2000 is designed for use in most metalworking applications and is equally suitable for use in large centralised coolant systems and for small individual coolant sumps. It can be used across a wide range of machining applications, including milling, drilling, tapping, reaming, broaching, high-speed grinding, and creep feed grinding.

Callington XP 2000 is suitable for use with the latest technology high-speed machining centres and flexible machining systems, where a range of machining operations are performed on a variety of different metals. It provides excellent machining performance on steel, cast iron, copper alloys, and on difficult alloys such as stainless steel and nickel alloys, titanium, and high silicon aluminium. It is low foaming and ideal for high pressure, high volume coolant flow applications, and maximises the benefits of through tool coolant delivery systems.

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### RECOMMENDED DILUTIONS

| Material  | Cast Iron | Low Tensile Steel | High Tensile Steel | Stainless Steel | Non Ferrous | Low Alloy Aluminium | High Alloy Aluminium | Titanium |
|-----------|-----------|-------------------|--------------------|-----------------|-------------|---------------------|----------------------|----------|
| Operation | 3.5%      | 3.5%              | 3.5%               | 3.5%            | 3.5%        | 5%                  | 5%                   | 4%       |
| Grinding  |           |                   |                    |                 |             |                     |                      |          |
| Boring    | 3.5%      | 4%                | 5%                 | 5%              | 5%          | 5%                  | 7%                   | 6%       |
| Drilling  |           |                   |                    |                 |             |                     |                      |          |
| Milling   |           |                   |                    |                 |             |                     |                      |          |
| Sawing    | 4%        | 7%                | 7%                 | 7%              | 8%          | 6%                  | 7%                   | 6%       |
| Tapping   |           |                   |                    |                 |             |                     |                      |          |
| Threading |           |                   |                    |                 |             |                     |                      |          |
| Turning   |           |                   |                    |                 |             |                     |                      |          |
| Broaching | 8%        | 7%                | 12%                | 12%             | 7%          | 10%                 | 10%                  | 10%      |

### TYPICAL DATA (note: data is typical and does not constitute a specification).

| Concentrate          | Test Method           | Typical Result     |
|----------------------|-----------------------|--------------------|
| Appearance           | Visual                | Clear, Amber Fluid |
| Density              | DIN 51757/ASTM D1298  | 0.94               |
| <b>Emulsion</b>      |                       |                    |
| Appearance           | Visual                | Milky White        |
| pH5%                 | DIN 51361/ASTM E70-97 | 9.15               |
| Refractometer Factor |                       | 1.1                |

### ORDERING INFORMATION

| Product Code | Packaging   |
|--------------|-------------|
| 7470/51      | 20 litres   |
| 7470/64      | 200 litres  |
| 7470/1000    | 1000 litres |

### STORAGE

Keep container closed, prevent exposure to frost, and prevent water ingress. Store in cool, dry conditions, and avoid direct sunlight. Indoor storage is preferable.

### SHELF LIFE

The shelf-life of the product when stored under appropriate storage conditions is 12 months from the date of manufacture.

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