

## TECHNICAL DATA SHEET

# CALFORM CF 168

Code XXXX

## *Chlorine Free, Neat Forming Oil*

### DESCRIPTION

**Callington Calform CF 168** is a chlorine and heavy metal free forming oil, which is formulated specifically for use in cold heading applications on carbon steels and alloy steels.

Formulated using a highly solvent refined paraffinic mineral oil, **Calform CF 168** uses a unique blend of extreme pressure and lubricity additives which are non chlorine and heavy metal containing, providing outstanding performance, at the same time meeting environmental goals.

### APPLICATION

**Callington Calform CF 168** is specially formulated to meet the extreme lubrication demands associated with cold heading applications, such as the high speed production of high tensile steel nuts and bolts.

It provides outstanding tooling protection in high speed, progressive, cold heading operations, at the same time reducing fumes which are often generated in these operations, providing a cleaner, safer, working environment.

**Calform CF 168** is also suitable for use in deep drawing applications on ferrous materials.

### BENEFITS

- Contains high performance extreme pressure and anti wear additives. Maximises tool life, provides excellent surface finish and minimises costs associated with tool repolishing.
- Excellent detergency, removes particulates and dirt from dies, eliminating defects, improving surface finish and reducing scrap and rework costs.
- Outstanding wetting characteristics, reducing product drag out rates, hence reducing consumption.
- Low mist and fuming, excellent operator acceptance.
- Excellent oxidation and thermal stability, extending service life.

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

| Test             | Method     | Units              | Data                 |
|------------------|------------|--------------------|----------------------|
| Appearance       | Visual     |                    | Clear dark brown oil |
| Density @ 20°C   | ASTM D1298 | g/mm <sup>3</sup>  | 0.90                 |
| Viscosity @ 40°C | DIN 51562  | mm <sup>2</sup> /s | 105                  |
| Flashpoint (COC) | ASTM D92   | °C                 | 190 minimum          |
| Copper Corrosion | 3hr/100°C  | ASTM, D130         | 3                    |

**Note:** Calform CF 168 is not suitable for use on yellow metals.

Calform CF 168 can be cleaned from parts using aqueous alkaline and solvent cleaners, both types available from Callington.

**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.

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