

## TECHNICAL DATA SHEET

# MTC 50

**Code 7010**

## *Machine Tool System Cleaner*

### DESCRIPTION

**Callington MTC 50** is a mildly alkaline, water based, heavy duty machine tool and system cleaner. It is based on highly effective, low foam surfactants, and anti microbial agents, which provide rapid and efficient cleaning and sterilisation.

### APPLICATION

**Callington MTC 50** is specially formulated to deal with the range of contaminants encountered in machine tool systems, using water based coolants. This contamination includes fatty and heavy oil build up in pipe work, floor return channels and floor ducts, tramp oil layers, bacteria and fungi.

Regular use at fluid changeover time, is highly recommended, as the adoption of the simple clean out procedure dramatically reduces coolant related problems, and ensures maximum coolant sump life.

**Callington MTC 50** is easy to use, with minimum disruption to production, being added direct to the coolant system whilst still in operation.

### PROCEDURE

- An addition of 1 – 3% is recommended, the amount added being dependant on the general condition of the coolant system (1% is normally adequate).
- Introduce where there is good coolant flow, for example, immediately beyond the pump outflow back to the main settling tank, or directly into a floor return channel.
- Add MTC 50 between 8-24 hours before the coolant is due to be discarded, recirculate and operate machine normally.
- Areas not wetted by the coolant can be cleaned manually by using a 2% dilution of MTC 50.
- Following the period of circulation, empty the coolant system and machines, and dispose of the used coolant as per normal procedure.
- Remove any metallic debris physically.
- Rinse the system with water and discard.
- Fill the system with fresh coolant, pre-mixed at the correct concentration.

### BENEFITS

- Low foaming and compatible with most water soluble metalworking coolant types, therefore can be used whilst machines are in normal operation, reducing maintenance costs and disposal costs.
- Highly effective against bacterial and fungal contaminations, improving the working environment for machine operators.
- Compatible with all common metal substrates, non- staining and non corrosive.
- Maintains machine tool systems in clean, efficient condition, minimising downtime, Improving productivity, and extending coolant life.

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

Concentrate	Test Method	Typical Result
Appearance	Visual	Clear, Pale Amber Fluid
Density	DIN 51757/ASTM D1298	1.06
<b>Emulsion</b>		
Appearance	Visual	Colourless, Slight Haze
pH5%	DIN 51361/ASTM E70-97	8.6
Refractometer Factor		1.40

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

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