



# Metaclean™ NEC-50

## Emulsion conditioner/cleaner

### Description

**METACLEAN NEC-50** is an emulsion conditioner, which improves the cleaning power, wetting ability, and generally revitalises drawing fluids, which have been in service for some time.

The additive is particularly useful in areas where hard water is used and hard water salts have caused insoluble soaps to deposit on machine surfaces.

The use of this additive can improve the cleanliness of machines, capstans and dies, which can in turn improve productivity by reducing wire breaks due to blocked dies, sticky capstans etc. In some cases, emulsion life can also be extended.

**METACLEAN NEC-50** can also be used to help clean out dirty systems at times of lubricant change.

### Features and benefits

- Revitalise old emulsions
- Increase the cleanliness of machines, capstans and dies.
- Promotes extended emulsion life
- Can be used as a system cleaner when making a lubricant change

### Recommended instructions for use

**METACLEAN NEC-50** is supplied as a concentrated detergent, which is normally added in increments to the emulsion, reaching a **maximum total level of 0.3%** in the emulsion.

If too much concentrate is added **too quickly**, then **foaming** and **a reduction in lubricity** may occur, so care should be taken in order to avoid any such problem.

Make the additions in a turbulent part of the lubrication system.

**METACLEAN NEC-50** can also be sprayed or brushed onto areas of the machines e.g. capstans, cones or dies in its concentrated form to aid removal of stubborn deposits.

**Note that NEC-50** is a detergent additive with no pH buffering power. Additional alkaline additive treatment will be required for emulsion systems with low working pH values.

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## System Cleaning

For system cleaning before preparing to make a new emulsion, approximately 2% NEC-50 can be put in the old emulsion and circulated for upto 48 hours before it is dumped. This may cause some foam to be produced on the surface of the emulsion. We do not recommend any drawing/rolling should take place while the cleaning process is taking place.

In areas of the lubrication system where large quantities of sludge/dirt have built up, it will still be necessary to physically remove the sludge/dirt.

## Treatment range

When used as emulsion conditioner, increments up to a maximum of:	0.3%
When used for System Cleaning:	2.0%

## Pack sizes

Metaclean NEC-50 is available in 205 litre drums or 25 litre containers.

## Technical data (typical values)

Property	Test method	Result
Appearance	MSTM 1	Clear pale yellow liquid
pH (1% in tap water)	MSTM 18	6.5 . 7.5
Density at 20°C	MSTM 23	1.023 . 1.045 g.cm <sup>-3</sup>

## Storage

Store Metaclean NEC-50 out of direct sunlight and protect from frost. Storage temperature should be controlled to between 5°C and 35°C.

The product information in this publication is based on knowledge and experience at the time of printing. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

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**Metalube Limited**, 4 Huntsman Drive, Northbank Industrial Park, Irlam, Manchester M44 5EG, UK  
Tel: +44 (0)161 775 7771 Fax: +44 (0)161 775 7511 post@metalube.co.uk www.metalube.co.uk

Company registration number: 2263118; Company registered in England VAT registration number GB108244927000



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