



## Product Data

# Castrol Techniclean MP

Multi-purpose process cleaner for ferrous metals

## Description

Castrol Techniclean™ MP is an aqueous, alkaline industrial multi-purpose cleaner containing biodegradable surfactants and corrosion inhibitors.

## Application

Techniclean MP is a multi-purpose process cleaner for precision cleaning of ferrous metals to the most demanding specifications in a wide range of modern equipment, which includes spray and flood wash as well as all types of dip and ultrasonic applications.

Techniclean MP may be used on aluminium with caution: test a sample first to ensure no staining or corrosion, as temperature, concentration and exposure time are all important.

Techniclean MP effectively removes soluble oils, light-medium duty neat cutting or forming oils, lubrication oils, soft film corrosion preventives, swarf and general dirt.

## Conditions of Use

|                      | Spray        | Flood wash    | Dip         | Ultrasonic Dip |
|----------------------|--------------|---------------|-------------|----------------|
| Concentration Range: | 1 - 5%       | 1 - 5%        | 1 - 20%     | 1 - 20%        |
| Temperature Range:   | 50 - 65°C    | 40 - 65°C     | up to 40°C  | up to 50°C     |
|                      | 122 - 150°F  | 104 - 150°F   | up to 104°F | up to 122°F    |
| Spray Pressure:      | up to 3 bar  | up to 12 bar  | n/a         | n/a            |
|                      | up to 50 psi | up to 200 psi | n/a         | n/a            |

Optimum conditions of use are depending on the detailed application requirements and the amount and nature of the soil being removed.

## Advantages

- Leaves a temporary corrosion preventive film on the metal surface – minimises scrap rate which improves productivity
- Emulsified oil separates on standing and can be skimmed off in order to increase bath-life – reduces maintenance and disposal cost
- Biodegradable surfactant package – improves environmental profile
- Versatile, can be used in various applications and is suitable in hard and soft water – enables possible product consolidation

## Typical Characteristics

|                          | Test Method | Unit              | Value               |
|--------------------------|-------------|-------------------|---------------------|
| Appearance               | Visual      | -                 | Clear, amber liquid |
| Density @ 15°C           | IP 160      | kg/m <sup>3</sup> | 1160                |
| Density @ 59°F           | IP 160      | lb/gal            | 9.7                 |
| pH of concentrate        | BS 1647     | -                 | 10.8                |
| pH (2% solution)         | BS 1647     | -                 | 10.3                |
| Cast Iron Corrosion Test | IP 287      | %                 | 5                   |

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