

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 °C	104 - 150 °F	up to 104 °F	up to 122 °F
Spray Pressure Range:	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

Description	Test Method	Unit	Value
Appearance of Concentrate	Visual	-	Clear, light yellow to yellow liquid
Density @ 15 °C / 59 °F	ASTM D4052	g/ml	1.16
pH of Concentrate	ASTM E70-97	-	10.7
pH (3% in Distilled Water)	ASTM E70-97	-	10.3
Cast Iron Corrosion (5% Dilution)	IP 287	-	No stains

Subject to usual manufacturing tolerances.

Storage

To avoid product deterioration always keep the container/drum tightly sealed. Store the product in a cool, dry place away from direct sunlight. Prevent exposure to frost and avoid water ingress. For optimum product stability, it is preferable to store the product indoors between 5°C and 45 °C / 41°F and 113°F.

For more details, please refer to the product safety data sheet.

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08 Sep 2016

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