



Product Data

Techniclean MP 2

Multi-purpose process cleaner

Description

Castrol Techniclean™ MP 2 (previous name Casrol Careclean MP 2) is an aqueous, mildly alkaline industrial multi-purpose cleaner containing corrosion inhibitors and biodegradable surfactants. The product is designed to be user-friendly and environmentally responsible. It is free of inorganic salts.

Application

Techniclean MP 2 is a multi-purpose process cleaner for precision cleaning of most metals, even sensitive aluminium alloys. It cleans to the most demanding specifications in a wide range of modern equipment, which includes spray and intensive flood wash as well as all types of dip and ultrasonic applications.

Techniclean MP 2 effectively removes soluble oils, light duty neat cutting or forming oils, lubrication oils, soft film corrosion preventives, swarf and general dirt.

Conditions of Use

	Spray	Flood Wash	Dip / Ultrasonic
Concentration Range:	2-5%	2-5%	2-5%
Temperature Range:	50-80 °C 122-176°F	50-80°C 122-176 °F	40-70°C 104-158°F
Spray Pressure:	up to 3 bar / 50 psi	up to 12 bar / 200 psi	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
- Free of inorganic salts, no rinsing required – improves parts cleanliness, enables process rationalisation
- Moderate pH-level - improves environment for the workforce
- Versatile, can be used in various applications on most metals and is suitable in hard and soft water – enables possible product consolidation

Typical Characteristics

Description	Test Method	Unit	Value
Appearance of Concentrate	Visual	-	Clear, colorless to light yellow liquid
Density @ 15 °C (59 °F)	ASTM D1298	g/ml	1.06
pH (3% in DI-Water)	ASTM E70-97	-	8.6
Cast Iron Corrosion Protection @ 5%	IP 287-94	-	No stains

Subject to usual manufacturing tolerances.

Concentration Control

- Pipette 10 ml in an Erlenmeyer flask
- Add 1 - 2 drops of indicator solution nitrazine yellow
- Titrate with hydrochloric acid (c = 0,1 ml/l) until colour changes from blue to yellow
- Concentration = required ml hydrochloric acid * factor 0,86

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 the product safety data sheet.

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