



Techniclean™ HP

High pressure spray process cleaner

Description

Castrol Techniclean™ HP is an aqueous, low alkalinity, industrial cleaner containing biodegradable surfactants and corrosion inhibitors. This product is formulated without boron and formaldehyde releasing agents.

Application

Techniclean HP is an inter-operational, multi-metal cleaner, suitable for cleaning parts and components in a wide range of industrial spray and intensive flood wash machines.

Techniclean HP is specifically developed for use in high-pressure process cleaning and deburring equipment.

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

Conditions of Use

Concentration Range:	1 - 4%
Temperature Range:	ambient - 65 °C
Spray Pressure:	up to 1000 bar

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

Advantages

- Effectively minimises excessive foam – reliable, reduces costly risk of dangerous cavitations/damage of high-pressure pumps
- Excellent demulsifying properties provide easy skimming and long bath life – reduces maintenance and disposal cost
- Leaves a temporary corrosion preventive film on the metal surface – minimises scrap rate which improves productivity
- Versatile; multi-metal compatibility and suitable in hard and soft water – enables possible product consolidation

Typical Characteristics

Description	Test Method	Units	Value
Appearance of Concentrate	Visual	-	Clear, light yellow liquid
Density @ 20 °C	ASTM D4052	g/ml	1.04
pH (2% in DI water)	ASTM E70/97	-	9.3

Subject to usual manufacturing tolerances.

Concentration Control

TITRATION:

1. Pipette 10 ml in an Erlenmeyer flask
2. Add 1 - 2 drops of indicator solution nitrazine yellow
3. Titrate with hydrochloric acid ($c = 0.1 \text{ mol/l}$) until colour changes from blue to yellow
4. Concentration = required ml hydrochloric acid * **factor 1.0**

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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Castrol Industrial, Technology Centre , Whitchurch Hill , Pangbourne , Reading , RG8 7QR , United Kingdom

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