



Techniclean S 30

Aqueous mild alkaline process cleaner

Description

Castrol Techniclean™ S 30 is an aqueous, low alkalinity, industrial process cleaner containing corrosion inhibitors and biodegradable surfactants. The product is free of monoethanolamine (MEA) and strong complexing agents.

Application

Techniclean S 30 is designed for inter-operational and final process cleaning operations of ferrous and aluminium goods. It is suitable for use in a wide range of modern intensive flood wash, low and high pressure spray cleaning equipment, including robot wash systems.

Techniclean S 30 effectively removes residues from parts and components after machining with soluble oils, light duty neat cutting or forming oils as well as thin corrosion preventive films, lubrication oils, swarf and general dirt.

Conditions of Use

Concentration Range:	1 - 4%
Temperature Range:	ambient - 70 °C
Spray Pressure	up to 300 bar

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

Advantages

- Excellent demulsifying properties provide easy skimming and long bath life – reduces maintenance and disposal cost
- Leaves an ultra-thin temporary corrosion preventive film on the metal surface after drying – minimizes scrap rate which improves productivity
- Low foaming across a wide temperature range and multi-metal compatibility – versatile, enables possible product consolidation
- Free of Monoethanolamine - helps improving the health and environmental profile

Typical Characteristics

Name	Method	Units	Value
Appearance	Visual	-	Clear, colourless to light yellow liquid
Density @ 15°C / 59°F	ASTM D4052	g/ml	1.06
pH (5% in DI-water)	ASTM E70/97	-	9.8
Cast Iron Corrosion Protection (2% in DI-water)	DIN 51 360/2	-	0

Concentration Control

1. Pipette 10 ml bath solution in a 250 ml Erlenmeyer flask and add 50 ml deionised DI-water
2. Add 1 - 2 drops of indicator solution nitrazine yellow
3. Titrate with hydrochloric acid (c = 0,1 ml/l) until colour changes from blue to yellow
4. Calculation: Concentration in % = required ml hydrochloric acid * **factor 0,5**

Optional: **Castrol MiniLab Cleaners**, using indicator solution nitrazine yellow (**factor = 0,6**)

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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