

Techniclean S 17

Alkanolamine-free, spray process cleaner

Description

Castrol Techniclean™ S 17 is an aqueous, low alkalinity, alkanolamine-free industrial cleaner containing corrosion inhibitors and biodegradable surfactants. The product is designed to be user friendly and environmentally responsible.

Application

Techniclean S 17 is designed for inter-operational cleaning operations of multi-metal parts and components, suitable for use in a wide range of industrial spray and intensive flood wash machines.

Techniclean S 17 effectively removes soluble oils, light duty neat cutting or forming oils, lubrication oils, soft film corrosion preventives, swarf and general dirt from ferrous, aluminium and yellow metals.

Conditions of Use

Concentration Range :	1-5%
Temperature Range:	40-70°C (104 – 158°F)
Spray Pressure:	Up to 20 bar / 300 psi

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
- Excellent demulsifying properties provide easy skimming and long bath life – reduces maintenance and disposal cost
- Low foaming above 40°C – economical, lowers energy cost
- Free of alkanolamines, such as Monoethanolamine (MEA) - improves environment for the workforce
- Versatile; multi-metal compatibility and 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	ASTM D4052	g/ml	1.09
pH (5% in DI-water)	ASTM E70-97	-	9.5
Cast Iron Corrosion Protection @ 5%	IP 287	-	No stains

Subject to usual manufacturing tolerances.

Concentration Control

- Pipette 50 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 0,55

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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