

Castrol Techniclean S 20

Aqueous mild alkaline process cleaner

Description

Castrol Techniclean™ S 20 is an aqueous, low alkalinity, industrial process cleaner containing biodegradable surfactants and corrosion inhibitors. The product is free of strong complexing agents.

Application

Techniclean S 20 is designed for inter-operational and final process cleaning operations of ferrous and aluminium goods, suitable for use in a wide range of modern spray and intensive flood wash cleaning equipment.

Techniclean S 20 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 (low pressure spray, flood wash):	1 - 4%
Concentration Range (high pressure spray):	1 - 1,5%
Temperature Range:	ambient - 70°C
Spray Pressure:	up to 300 bar
Water Hardness Range:	up to 10 °dH

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

Typical Characteristics

	Test Method	Unit	Value
Appearance	Visual	-	Clear, light yellow liquid
Density @ 15°C	ASTM D 4052	kg/m ³	1033
pH (5% in DI-water)	ASTM E 70	-	9.9
Corrosion test (2% in water, 4°dH)	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 0,7**

Optional: **Castrol MiniLab Cleaners**, using indicator solution nitrazine yellow (**factor = 0,8**)

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