

Castrol Techniclean AC 8629

Acidic process cleaner

Description

Castrol Techniclean™ AC 8629 is an aqueous, acidic industrial cleaner, containing highly effective biodegradable surfactants and corrosion inhibitors.

Application

Techniclean AC 8629 is particularly designed for process cleaning operations of tungsten carbide goods, suitable for use in spray, dip and ultrasonic applications. However, it is also well suited for use on steel and aluminium surfaces.

Techniclean AC 8629 effectively removes soluble oils, neat cutting oils, particles and general dirt as well as oxides and hard water scale from metal surfaces in industrial cleaning.

Techniclean AC 8629 is recommended to be applied as a pre-wash cleaner in a multi-stage cleaning process, followed by an alkaline cleaning step and/or proper water rinsing stages in order to remove any acidic residues from the metals surface.

Conditions of Use

	Spray	Dip/Ultrasonic
Concentration Range:	2 - 5%	5 - 10%
Temperature Range:	20 - 60°C	20 - 60°C

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

Advantages

- Highly effective biodegradable surfactant package improves parts cleanliness and reduces re-work.
- Versatile, suitable for use in a wide range of applications
- Non-abrasive removal of oxide films and tarnish colours from steel and hard metals improves parts quality
- Special corrosion inhibitors protect against corrosion and oxidation during cleaning and rinsing which minimises the scrap rate.

Typical Characteristics

	Unit	Test Method	Value
Appearance	-	Visual	Clear, light yellow liquid
Density @ 15°C	kg/m ³	ASTM D 4052	1046
pH (concentrate)	-	ASTM E 70	1,3
pH (3% in DI-water)	-	ASTM E 70	2,1
Acid Value	mg KOH/g	ASTM D 974	51

Concentration Control

1. Pipette 20 ml bath solution in a 250 ml Erlenmeyer flask and add 50 ml deionised water
2. Add 2 - 3 drops of indicator solution phenolphthalein
3. Titrate with KOH-solution (c = 1,4 %) until colour changes from colourless to pink
4. Calculation: Concentration in % = required ml KOH-solution * **factor 1,0**

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