

Castrol Techniclean D 890

Multi-metal ultrasonic dip process cleaner

Description

Castrol Techniclean™ D 890 is an aqueous, mildly alkaline industrial cleaner containing a highly effective biodegradable surfactant package and corrosion inhibitors. The product is designed to be user-friendly and environment-friendly. It is free of inorganic salts.

Application

Techniclean D 890 is a low pH process cleaner for precision cleaning of all metals to the most demanding specifications in all types of dip and ultrasonic applications.

Techniclean D 890 is designed to remove a wide range of soils encountered in manufacturing, such as soluble oils, light-medium duty neat cutting or forming oils, lubrication oils, soft film corrosion preventives, swarf and general dirt.

Conditions of Use

	Dip	Ultrasonic
Concentration Range:	3 - 6%	2 - 5%
Temperature Range:	up to 80°C / 176°F	50 - 70°C / 122 - 158°F

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
- Highly effective biodegradable surfactant package – improves parts cleanliness and reduces re-work
- Free of inorganic salts, no rinsing required – enables process rationalisation
- Moderate pH-level – improves environment for the workforce
- Multi-metal compatible and suitable in hard and soft water – enables possible product consolidation

Typical Characteristics

	Test Method	Unit	Value
Appearance	Visual	-	clear-slightly hazy, yellow liquid
Density @ 15°C	DIN 51 757	kg/m ³	1050
Density @ 59°F	DIN 51 757	lb/gal	8.8
pH (5% in DI-water)		-	8.9

Concentration Control

- Pipette 10 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 1,6**

Castrol, Techniclean (Lettered), and the Castrol logo are trademarks of Castrol Limited, used under licence

INTERNATIONAL All reasonable care has been taken to ensure that the information contained in this publication is accurate as of the date of printing. However, such information may, nevertheless, be affected by changes in the blend formulation occurring subsequent to the date of printing. Material Safety Data Sheets are available for all Castrol Ltd products. The MSDS must be consulted for appropriate information regarding storage, safe handling and disposal of a product.

Castrol Limited, Pipers Way, Swindon, Wiltshire SN3 1RE, UK
www.castrol.com/industrial