



Product Data Sheet

Techniclean™ S 9

High pressure spray cleaner for ferrous metals

Description

Castrol Techniclean™ S 9 is an aqueous, mild alkaline industrial process cleaner, formulated to provide iron corrosion inhibition and a low foaming profile. It is free from inorganic salts.

Application

Techniclean S 9 is designed for inter-operational and final cleaning operations of ferrous parts and components, suitable for use in a wide range of industrial spray and intensive flood wash machines, including high-pressure process cleaning and deburring equipment. It effectively removes soluble oils, light duty neat cutting or forming oils, lubrication oils and general dirt.

Techniclean S 9 is particularly recommended where good corrosion protection during short term storage is required.

Conditions of Use

Concentration Range:	3-5%
Temperature Range:	Ambient - 80°C
Spray Pressure:	up to 400 bar

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

Advantages

- Good detergent properties - improves parts cleanliness and reduces re-work
- Excellent biostability supports long bath-life even at ambient temperature – reduces maintenance and disposal cost
- Low foaming at ambient temperature; allows for initial cold water start ups – economical, lowers energy cost
- Leaves a temporary corrosion preventive film on the metal surface – minimises scrap rate which improves productivity
- Free from secondary amines, nitrites and boron - helps improving the environmental profile

Typical Characteristics

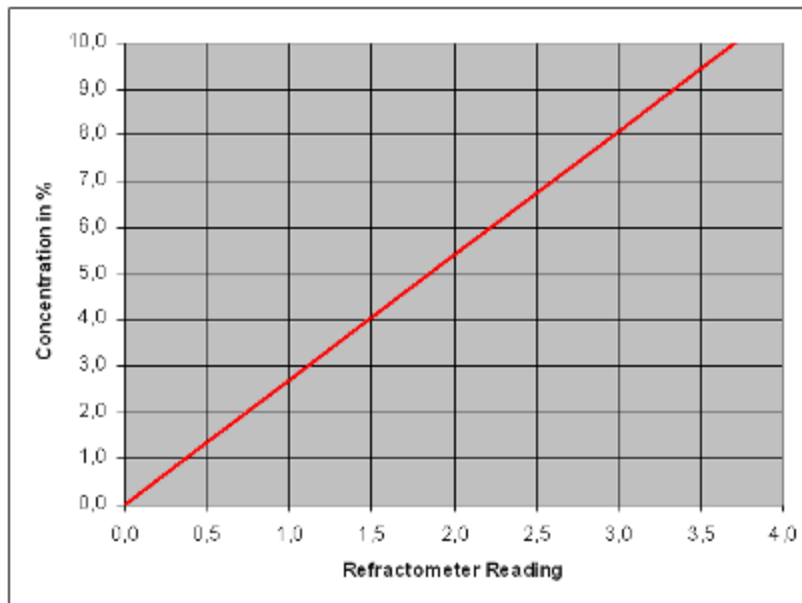
Description	Test Method	Unit	Value
Appearance	Visual	-	Clear, pale yellow liquid
Density @ 20°C / 68°F	ISO 12185 / ASTM D4052	kg/m ³	1050
pH (3% in DI-water)	ASTM E70-97	-	10,6
Total alkalinity	In-house	ml H ₂ SO ₄ /g	57
Refractometer factor	-	-	2,7

Subject to usual manufacturing tolerances.

Concentrations Control

The concentration of the Techniclean S 9 can be measured with an Atago Model N1 refractometer. The graph is a linear regression of actual readings from laboratory tests on laboratory prepared samples.

It is important to realise that refractometer readings are dependent upon the type of refractometer and water used.



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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30 Jul 2019

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