

Castrol 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.

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

Techniclean S 9 effectively removes soluble oils, light duty neat cutting or forming oils, lubrication oils and general dirt.

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

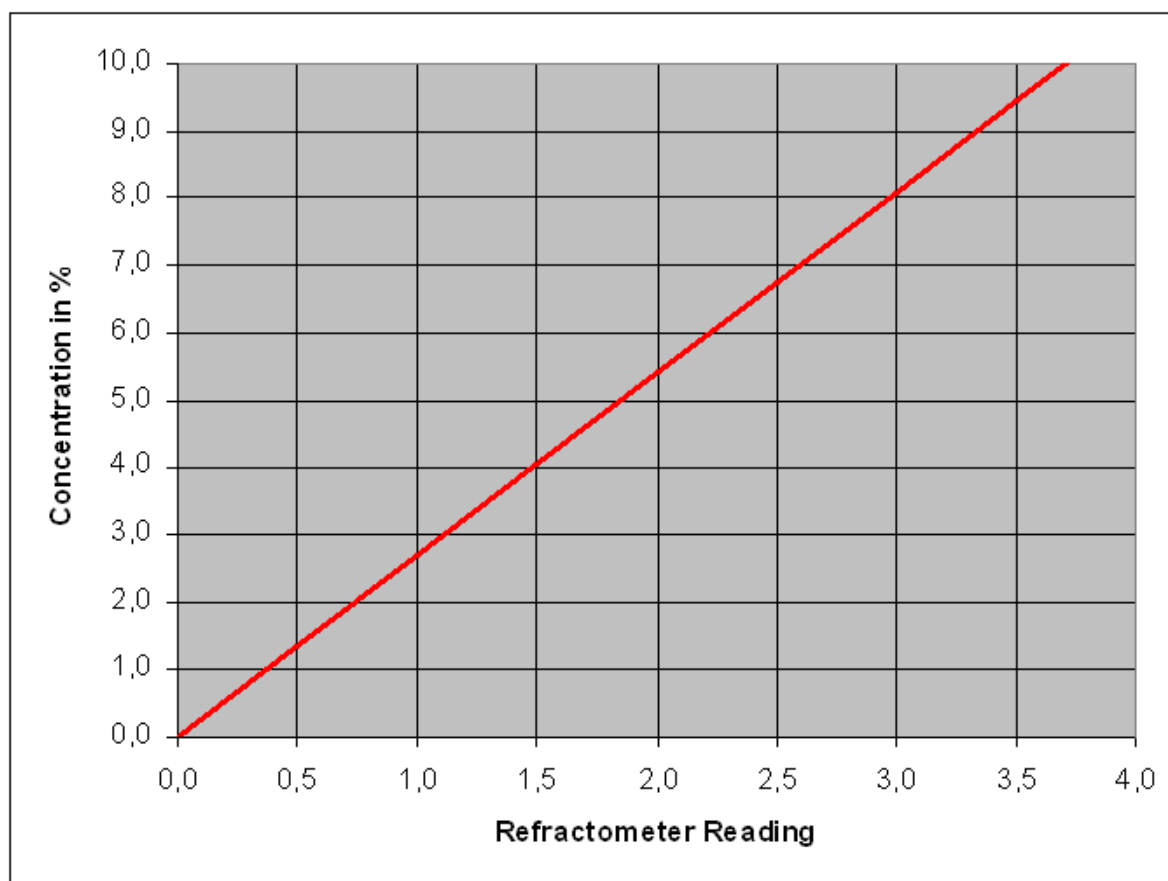
Typical Characteristics

	Test Method	Unit	Value
Appearance	Visual	-	Clear, pale yellow liquid
Density @ 20 °C	ASTM D 4052	kg/m ³	1050
pH (3% in DI-water)	ASTM 1301	-	10,6
Total alkalinity	BIM 158	ml H2SO4/g	57
Refractometer factor	-	-	2,7

Concentration Control

The concentration of the Techniclean S 9 can be easily measured with a manually operated 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.

Refractometer Reading	Concentration Techniclean S 9 in %
0,0	0,00
0,5	1,35
1,0	2,70
1,5	4,05
2,0	5,40
2,5	6,75
3,0	8,10
3,5	9,45
4,0	10,80



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