



Product Data

Castrol Techniclean™ S 5001

Alkaline spray wash cleaner

Description

Castrol Techniclean™ S 5001 is designed for use in all types of industrial spray washing equipment, including intensive flood washers. Techniclean™ S 5001 is formulated to provide iron corrosion inhibition and a low foaming profile.

Application

Castrol Techniclean™ S 5001 effectively removes a variety of soils such as: adhesive compounds, crankcase, light gear oils, grinding oils, heat treat oils, heavy forming oils, heavy viscosity oils, hydraulic oils, lapping compounds, light forming oils, lubricating greases, lubricating oils, medium viscosity cutting oils, polishing compounds, pressing compounds, thick soft-film rust preventives and thin soft-film rust preventives.

This product is designed for use in all types of industrial spray washing equipment, including intensive flood washer. It is also has multi-metal compatibility as it can be safely used on ferrous and most nonferrous metals. Consult your Castrol Sales Engineer for questions regarding compatibility

Conditions of Use

Spray: 3 - 5% concentration; temperatures up to 160° F (71° C)

Advantages

- Low foam eliminates foam-outs in spray washers and enhances performance in transfer lines
- Slight, imperceptible film residue provides in-process corrosion protection
- Moderate pH reduces the possibility of skin irritations.

Typical Characteristics

	Unit	Test Method	Value
Appearance of Concentrate	-	Visual	Clear yellow liquid
pH of Solution	5%	CN-TM-069	10.0 – 11.0
Specific Gravity	@ 60° F (16° C)	CN-TM-086	1.01 – 1.03
Bulk Density	lbs/gal	-	8.5
Nitrites	-	-	None
Phosphates	-	-	None
Silicates	-	-	None

Additional Information

Concentration Control

Techniclean S 5001 in DI	Drops Sulfuric Acid (1.0 N)
1%	3
2%	5
3%	7
4%	9
5%	10
10%	20

By titration:

1. Place (pipet) 50 ml sample of Techniclean S 5001 solution into a flask or beaker.
2. Titrate 1.0 N sulfuric acid from a buret until reaching 4.6 on the pH meter.
3. The concentration of the Techniclean S 5001 solution in % (v/v) can be calculated by multiplying the volume of 1.0 N sulfuric acid in ml by the concentration factor.
4. Prior to running tests on field samples, follow the above method using a sample of known concentration to obtain the concentration factor.

Concentration factor = % known concentration/ml acid needed to reach the end point.

Castrol Techniclean SF 03/05/2007, version 1.0
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