



## Techniclean™ 227

Aqueous mild alkaline cleaner

### Description

Castrol Techniclean™ 227 is an aqueous, soft water compatible, low alkalinity industrial cleaner, containing biodegradable surfactants and corrosion inhibitors.

### Application

Techniclean 227 is an inter-operational process cleaner, suitable for cleaning parts and components in a wide range of industrial spray and intensive flood wash machines.

The product is suitable for use on iron/steel, aluminium and most yellow metal alloys.

Techniclean 227 effectively removes soluble oils, light neat cutting or stamping oils, lubrication oils and general dirt.

After drying Techniclean 227 leaves a temporary corrosion protective film on the metal surface.

### Conditions of Use

Concentration range: 2 - 5%

Temperature range: 50 - 75 °C

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

### Advantages

- Excellent demulsifying properties provide easy skimming and long bath life to help reducing maintenance and disposal cost
- Good in-process anti-corrosion properties to protect cleaning equipment and components
- Low foaming above 50 °C – economical, aids improved productivity at lower cost
- Free of Monoethanolamine which helps improving the health and environmental profile

### Typical Characteristics

Description	Test Method	Unit	Value
Appearance of Concentrate	Visual	-	Clear, light yellow to yellow liquid
Density @ 20 °C	ASTM D4052	g/ml	1.06
pH (3% in water, 5°dH)	ASTM E70/97	-	9.6

Subject to usual manufacturing tolerances.

## Concentration Control

1. Pipette 10 ml in a 250 ml Erlenmeyer flask
2. Add 50 ml DI-water
3. Add 1 - 2 drops of indicator solution Methylorange
4. Titrate with hydrochloric acid (c = 0,5 mol/l) until colour changes from yellow to orange-red
5. Concentration = required ml hydrochloric acid x **factor 2,78**

## 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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