Oakite 31

Acidic Detergent and Surface Treatment Compound

Product Description

Oakite 31 is a versatile liquid acidic compound designed to be used by either immersion or "wipe-on" and formulated to remove oil and inorganic soils, at the same time as preparing metal surfaces for painting.

Features and Benefits

- Removes rust, heat scale, oxides, flux and welding spatter from ferrous metals and zinc coated (galvanised) steel.
- Inhibited to minimise attack on base ferrous metal.
- Conditions mild steel surfaces for painting by imparting some of the properties of a phosphate coating.
- Surfactant System wets out surfaces and assists in penetration of joints and recesses.
- Provides temporary rust protection to ferrous metal surfaces.
- Removes oxides (white rust) from aluminium and zinc surfaces.

Chemical and Physical Characteristics

Form	:	Liquid
Chemical Base	:	Phosphoric Acid
Colour	:	Clear
Odour	:	None
pH	:	<1
Specific Gravity	:	1.362
Flash Point	:	None

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Directions for Use

These recommendations are based on field experience and variations may be required for specific applications.

1. Immersion

a.	Concentration	2.5% - 25% v/v Water
b.	Temperature	Ambient or up to 50 deg.C.
c.	Time	5 - 30 minutes
d.	Sequence	i. Oakite 31 immersion
		ii. Overflow rinse - Ambient
		iii. Static rinse - hot

2. Wipe On

a.	Concentration	2% - 50%v/v dependent upon type and quantity of oil/rust/scale.
b.	Temperature	Ambient
c.	Application	Apply with cloth or brush (wear gloves) Leave for 2-3 minutes. Rinse Wipe dry with a damp cloth.

Testing and Control

Take a 10 ml sample of the working solution, dilute to about 25 ml with water, add a few drops of bromophenol blue indicator and titrate with 1.0N sodium hydroxide until the colour changes from yellow to blue. The number of ml of alkali required is known as the Pointage of the cleaning solution.

The Pointage multiplied by 1.43 is equivalent to the solution concentration expressed in % v/v.

Plant Recommendations

Tanks should be constructed of stainless steel (types 304 or 316) or other acid proof materials such as PVC, fibreglass, polypropylene etc. Mild steel is not recommended.

Packaging

Available in 25, 200 and 1000 litre containers.

Safety Transport and Storage Information

Please refer to the Safety Data Sheet.

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