

METSPRAY AK3801

Liquid Spraywash Detergent

PRODUCT DESCRIPTION

METSPRAY AK3801 is an alkaline spraywash detergent designed to remove oils, greases and medium duty soils typically encountered in engineering and manufacturing environments. It combines powerful detergents and wetting agents that can effectively cut through stubborn soils to leave a clean degreased surface ready for painting or other surface treatments. The built-in amine corrosion inhibitor offers short term protection against future corrosion making it the perfect cleaner for inter stage cleaning applications.

METSPRAY AK3801 has been specifically designed to be used in spraywash plants and the liquid formulation is compatible with automatic dosing equipment. It is economical to use and can be readily diluted to suit a range of applications. It can be used at ambient temperatures or heated up to 80°C to increase penetration on areas with heavy contamination.

METSPRAY AK3801 contains a specially designed corrosion inhibition package that makes it compatible with most sensitive metals. It is not suitable for use on copper or copper alloys which will undergo severe attack on contact.

FEATURES & BENEFITS

- Liquid formulation
- Concentrated formulation
- Contains corrosion inhibitors
- Contains an advance surfactant package
- Contains amine inhibitors
- Suitable for use with automated dosing systems
- Highly effective performance at low concentrations
- Suitable for use on ferrous and sensitive metals
- Effective degreasing with low foam production
- Up to two weeks protection against future corrosion

PHYSICAL CHARACTERISTICS

Appearance
Specific Gravity (20°C)
Odour
Concentrated pH
Solubility

Clear amber liquid
1.064 g/cm³
Mild detergent
10.0
Miscible in water at all concentrations

Manufacturing site and registered office

Orapi Applied Limited
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Fax: +44 (0) 121 525 4919
Info@orapiapplied.com



PRODUCT DATA SHEET

A3801

DIRECTIONS FOR USE

METSPRAY AK3801 is typically used diluted in water in suitable spraywash equipment. To control the concentration of the working solution the product should ideally be dosed into the spray washer via an Orapi Applied automatic dosing system.

Dosing rates are dependent upon the degree and type of soiling and the corrosion protection required by components. For most general cleaning applications concentrations of up to 4% v/v are recommended but this can be reduced or increased based on performance. For best results, the working solution should be applied at temperatures between 60°C - 80°C. At temperatures below 40°C performance may be reduced, and processing times may take longer.

SPECIAL STORAGE

Store in original containers away from direct sunlight. Protect from freezing.

HEALTH AND SAFETY

Refer to separate Material Safety Data Sheet (MSDS) for further information.

PACKAGING

METSPRAY AK3801 is available in the following pack sizes:

Product Code	Volume	Container
A3801-25	25 litres	Drum
A3801-205	205 litres	Barrel
A3801-1000	1000 litres	IBC

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SOLUTION CONTROL METHOD

The following method can be used to determine the concentration of A3801 within a working solution by titration.

Apparatus

Measuring Cylinder
Conical Flask
Burette
Burette Filler

Reagents

Sample of bath solution to be tested
Methyl Orange indicator
1.0N Hydrochloric Acid (HCl)

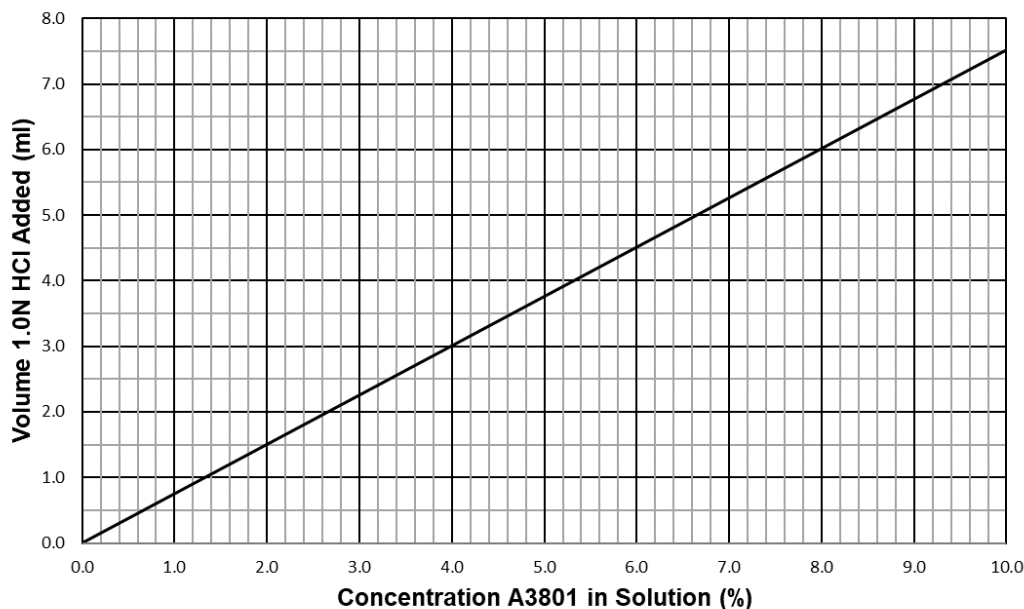
Method

1. Measure out 50ml of the product to be tested into the measuring cylinder and transfer to the conical flask.
2. Add a few drops of methyl orange indicator. The solution should turn yellow.
3. Titrate with 1.0N HCl until a permanent colour change of yellow to red is observed.
4. Record the volume of 1.0N HCl added as **T**.
5. Use the calculation below to determine the percentage of **METSPRAY AK3801** in solution.

$$\text{Concentration A3801 (\% v/v)} = T \times 1.33$$

6. Alternatively consult the graph below to determine the concentration of **METSPRAY AK3801** in solution.

A3801 Concentration by Titration



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