



Confederate Chemicals Ltd

Mochdre Industrial Estate Newtown Powys SY16 4LE

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AL-STRIP EC – TECHNICAL DATA SHEET

Description

Al-Strip EC is a simple to use hot paint stripping system designed to remove paint in small sheets by bond release for easy “scoop” filtration. It is suitable for use with steel and aluminium wheels.

IT IS NOT SUITABLE FOR MAGNESIUM WHEELS

Al-Strip EC does not contain DCM or Hydrofluoric acid. As with all chemicals the MSDS should be referred to for safety precautions and PPE requirements. There are no specific environmental hazards associated with Al-Strip EC however check with your local authority that there are no specific condition on your site licence/permit before disposal.

The Control of Substances Hazardous to Health Regulations 2002 (COSHH)

For a Safety Data Sheet on this product please contact Confederate Chemicals by telephone, or by e-mail at lab@confederatechemicals.co.uk

Instructions for use

Al-Strip EC is supplied ready for use with no dilution or addition required. The paint/powder coating is removed from the wheel in small sheets/strips which can be removed manually by regular skimming of the tank surface using a stainless steel mesh basket.

The tank should be maintained at a temperature in the region of 68-80°C for optimum strip times however it can be operated at 60°C if ultimate strip time is not important.

Due to the elevated operating temperature and the presence of organic solvents, operators should always wear appropriate safety equipment. You must make your own safety assessment based on our safety data sheet, but as a minimum boots, apron, gloves and visor are recommended when wheels are being added or removed from the tank, or chemical additions are made.

Tank Management

In order to maintain effective stripping the tank must be monitored daily to ensure the chemical is at the desired strength and that the tank is free from paint residue which can form a sludge precipitate if left unmanaged causing particular problems for bottom heated tanks. Therefore it is recommended that in addition to the daily chemical checks outlined in the control section below that weekly inspections of the tank are made to check the cleanliness of the tank. It may be necessary to periodically drain and desludge the tank.

Control

During the process of wheel stripping AL-Strip EC will be consumed and therefore it is important to replenish the tank daily to ensure optimal stripping performance is maintained. The replenishment regime is the same for all tanks and has been developed through thorough testing of the system to ensure maximum performance and efficiency of the chemical.

In general use a daily top up should be made based on the following recommendation:

Chemical Top Up (Litres) = Sets of Wheels Processed x 2.5

Water Top Up (Litres) = Volume Lost – Chemical Top Up

Following tank clean out and loss through filtration or desludging all losses should be made up using fresh AL-Strip EC. If there is any significant loss of volume that is not due to planned maintenance a sample should be taken and sent to Confederate Chemicals for analysis before any further action is taken.



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Equipment

Stainless steel is essential for tanks and equipment in contact with the liquid. Keep the surface area of the stripping tank to a minimum to avoid solution losses. A well sealed close fitting lid is essential for minimising loss through evaporation and allowing operation in line with the routine listed in the control section.

Heating should be indirect side heating such as an oil jacket. This provides consistent heating with a large heat exchange area reducing the likelihood of isolated hot spots. Immersion heating is not recommended as paint residues can build up on the elements and cause element failure or lead to paint charring which can give off undesirable odours.

Further information can be found in the AL-Strip EC Operator Manual.