



Confederate Chemicals Ltd

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LANTHANUM PHOSPHATE REMOVER – TECHNICAL DATA SHEET

Description

A complex lanthanum based product used to reduce and control algae in swimming pools by reducing the level of available phosphate nutrients in the pool water.

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:

Some precipitation in the concentrate is normal, please shake the container well before use.

Before using PHOSPHATE CONTROL add a shock dose of your usual chlorine product. This should kill any live algae, if you don't do this, the phosphate test will read zero as live algae will contain any phosphate

Always clean the filter or filter cartridge before starting the PHOSPHATE CONTROL treatment.

Adjust the pool pH to 7.6 – 7.8

First measure the level of phosphate in the pool water using a suitable test kit. Your aim is to reduce this to as much below 0.2parts per million (ppm) as you can.

Measure the total volume of the swimming pool. A calculator is available on Confederate Chemicals website www.poolandspachemicals.co.uk

Dosage:

For each 1 ppm of phosphate in the pool water add 40 mls of PHOSPHATE CONTROL for every 1,000 litres of total pool volume.

For example 1 ppm phosphate in a 50,000 litre pool would need an initial dose of 1 (ppm phosphate) x 400mls (dose) x 50 (pool volume in multiples of 1, 000 litres) = 2000 mls (2 litres) of PHOSPHATE CONTROL.

Add PHOSPHATE CONTROL to the pool via the skimmer basket

After application circulate through the filter for several hours to remove the cloudy precipitate. Clean or remove and clean the filter. Simply leaving the precipitate in the filter body will eventually allow it to re-dissolve into the pool water.

Apply this dose every 3 days until the phosphate concentration in the pool is reduced to an acceptable level.

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Solution maintenance:

Accelerator Control – Filter a sample of the bath using a 541 filter paper or take a sample from the outlet of the filter press.

Titrate a 2ml sample against 0.1N Hydrochloric Acid to the Bromocresol Purple end point (purple to yellow). Each ml is considered 1 point.

Normally you simply top up to normal operating level with AL-X REPLENISHER.

It may occasionally be necessary to make a separate addition of AL-STRIP X SPECIAL ADDITIVE. This will be only on the advice of your Confederate Chemicals representative. The addition of 10 litres/1000 litres will raise the pointage by 1.0.

Equipment

Mild steel is suitable for tanks and pipework. Keep the surface area of the stripping tank to a minimum to avoid solvent losses. Where appropriate, use a close fitting lid to minimise evaporation, risk of contamination and as a safety precaution. Incorporate a frame to the base to keep the work out of removed residues. Ensure pipe work has threaded unions and joints incorporated to allow easy dismantling for cleaning if required.

Heating capable of maintaining the tank at the operating temperature is required. Ideally this could be an oil jacket. **Low density** electric heaters may be used but care must be taken to ensure they are of the correct specification and that stripped residues are not allowed to build up on the elements. Electric immersion heaters should have a cold "leg" at the surface otherwise fumes will evolve. Electric heaters should ideally be mounted on a removable frame to allow regular inspection and cleaning. Standard immersion elements and naked flame heaters are unsuitable.

PTFE is suitable for gasket materials. Copper, brass, aluminium and zinc die-casting should not be used for taps, pipes, valves etc. Galvanised materials are undesirable.

For more detailed information about Confederate Chemicals paint stripping systems, please visit our website at www.paintstrip.com.

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