



MAGMEX®

pH control solutions

Many metal treatment processes produce acidic waste streams, which have to be neutralised before discharge, to meet pH and Metal consents.

Traditionally, sodium hydroxide (caustic soda) and calcium hydroxide (lime) have been used to neutralise acidic solutions. However, these compounds are reactive and can cause high pH levels if not controlled correctly.

The **MAGMEX®** range is the environmentally friendly answer to the neutralisation of acidic wastewater. It is safe, ready-to-use and overcomes the majority of problems associated with the traditional acid neutralisers such as caustic soda or lime.

The **MAGMEX®** range includes;

MAGMEX 740

The standard formulation for use where a safe, efficient alkali is required for pH correction and where minimal sludge volumes are desired.

MAGMEX 706

A stabilised formulation, for use in smaller scale applications where longer term storage is required without the need for agitation.

MAGMEX 1060

A unique formulation specially designed for use in situations where higher pH levels are needed to enhance precipitation. This product maximises efficiency of usage.

CALMEX

For specific situations where calcium is indicated, **CALMEX** is a highly concentrated liquid lime suspension.



KEY BENEFITS OF MAGMEX®

FOR THE USER	
SAFE	MAGMEX® is non-hazardous and therefore much safer to handle than other traditional alkalis.
CONTROLLABLE	More controllable, due to a two-step reaction.
EFFECTIVE	Metal precipitation is extremely efficient and sludge volumes much lower..
EFFICIENT	MAGMEX® is the most all round cost effective alkali available.

FOR THE PROCESS

- Reduced sludge volumes.
- Improved flocculation, often developing dense sludge and therefore effective dewatering.
- Naturally buffering at around pH 9-9.5 biological plants are safe from overdose.

BACK UP SERVICE

- Laboratory based effluent investigation including a report and recommendation.
- On site testing.
- Mobile pilot plant available for larger sites.

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