

Limescale Remover & Descaler

Overview

Rumexo Limescale Remover & Descaler is an advanced mineral acidic product designed for the effective removal of limescale and other scales in a variety of cleaning and maintenance applications. The product can also be used for stone and concrete cleaning for both professional and retail, home and garden use. It is also a safe and effective replacement for strong and corrosive mineral acids used in industrial applications.

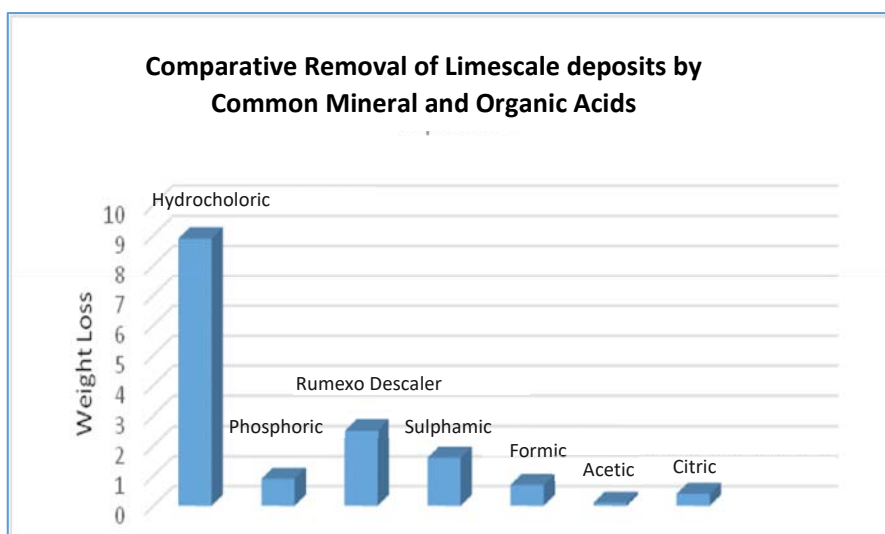
Technical Description

Scale is most commonly a solid insoluble deposit formed from metal salts that are forced out of solution and coat solid surfaces. This is especially a problem in hard water areas and can cause a variety of problems ranging from water marks in showers to blocked taps, kettles and washing machines. In industrial operations more serious problems can arise such as reduction in efficiency of boilers and heat exchangers. Scale build up accelerated by heat and the use of alkaline cleaning chemicals

Rumexo Limescale Remover & Descaler is based on an organic salt that replaces traditional mineral and organic acids in scale removal applications. The key ingredient in the formulation has approximately 70% of the strength of hydrochloric acid when removing calcium carbonate, but crucially is not classified as corrosive to skin or metals. The product is more than twice as effective as phosphoric acid (and is also phosphate free), and equivalent to sulphamic acid, but without the environmental concerns. Also, it is 5-10 times more effective than common organic acids such as lactic, citric or glycolic acids.

The formulation also contains:

- a novel surfactant package that degreases treated surfaces and so accelerates descaling performance so there is no need for a detergent clean before application.
- Corrosion inhibitor to protect a variety of metal surfaces once descaled and degreased.



ADVANTAGES

More effective than most organic acid and many mineral acids	100% biodegradable formulation
Can be used in many descaling applications ranging from household to heavy industrial	Not classified as harmful for the environment
Can be used regularly to prevent scale formation or as a deep clean treatment to remove scale once formed.	Diluted to working concentration the product is not classified as corrosive.
Contains a novel and powerful degreasing agent to accelerate scale removal and without the need for a separate detergent clean.	Non-viscous and completely miscible in water. Rapid descale action means that liquor pH rises quickly and so not harmful for any water treatment systems
Contains a corrosion inhibitor to protect descaled and degreased metal surfaces.	Fully rinsable leaving no residue

PRODUCT CHARACTERISTICS

targeted compounds	Effective on a wide range of inorganic and organic scales and salts	
Formula Properties	Unfragranced, 3X and 10X concentrate Yellowish liquid Completely soluble in water Completely Biodegradable Acidic pH	
Performance Properties	effective pH range: 1.0-6.5	temperature range: 5-80°C
Packaging	Available in 10L jerry can, 200L drums and 1000L IBC.	
Shelf Life	24 months in an original unopened container	

STORAGE AND HANDLING

Store in a cool, dry place. Wash hands with soap and water after use.

APPLICATION GUIDELINES

Use neat for heavy scale removal and deep cleans

Dilute to 1X concentration for regular use and maintenance applications

Guidance given upon request for dilution, signature fragrance addition and packaging.

Home, Domestic, Professional, FM Applications

Trigger Spray

Using a coarse spray apply liberally over the surface to be descaled. If necessary remove as much soiling as possible with a cloth or brush prior to application. Rinse off after approximately a minute. In the severest of cases a second application might be required.

Industrial Applications

Concentrated or Diluted product may be applied manually or by automated dispense
Guidance given upon request for these applications.

Disclaimer

Rumexo Limescale Remover & Descaler should be tested thoroughly on non-visible or non-critical surfaces. Some metals, coatings and soft surfaces may be discoloured or damaged with prolonged exposure. All surfaces should be rinsed well after descaling.