



# RedSafe Etch PLUS

A powerful aqueous blend of acids and surfactants that replaces neat hydrochloric acid types in the removal of concrete deposits.

## Uses

- Ideal for creating an acid etched finish to precast concrete through immersion.
- Very effective in removing concrete deposits from vehicles and concrete mixing equipment.
- Suitable as rust remover.

## Advantages

- Classified only as "irritant".
- Replaces dangerous acids with user-friendly alternative.
- Odourless and non-fuming.
- Out-performs acids in speed of action.

## Description

RedSafe Etch PLUS is a specially formulated alternative to hydrochloric acid. It is designed to be used to provide an etched surface to concrete and can be used for concrete cleaning and removal applications.

It also dramatically reduces the hazards associated with acids, such as burns, to the user and reduces the risk of environmental damage.

## Properties

Nature	Liquid
Colour	Light straw
Flash Point	Non flammable
Specific Gravity	ca. 1.13
Chemical base:	Organic chloride salt

## Instructions for use

RedSafe Etch PLUS can be used to produce an etched finish to concrete. However the depth of etch depends upon the quality of the concrete, the concentration of the RedSafe Etch PLUS and the length of time in immersion. The user can determine by trials the suitable length of time in immersion to provide the appropriate etch depth.

Always add the RedSafe Etch PLUS to the water already in the tank. Note that RedSafe Etch is safe with all metals except zinc and aluminium.

For regular use as a light cement dust or deposit remover from trucks and other production plant, RedSafe Etch PLUS should be used in a dilution rate of approximately 10 parts water to one part RedSafe Etch PLUS. The solution is best applied with a brush to provide a more concentrated point of attack on the concrete or rust deposits. The strength of the solution may be varied dependent on the soil loading and can safely be used up to 50-50 with water for very stubborn deposits. After leaving on the soil for the appropriate time it should be simply rinsed off with water.



Note that the cleaning solution will gradually accumulate contaminants, which will interfere with the performance. In order to prolong the performance life it is recommended that a proportion be regularly discarded and strength maintained by necessary additions of RedSafe Etch PLUS.

### **Precautions**

Refer to the Material Safety Data Sheet for the product.

RedSafe Etch PLUS is corrosive towards most metals and should be RedSafe Etch PLUS is non-toxic and is considered "corrosive" for transport only. For Health and Safety it is considered only as "irritant".

### **Packaging**

RedSafe Etch PLUS is supplied in 25 litres, 200 litre drums or 1000 litre IBC.

### **Storage**

RedSafe Etch PLUS should be stored at a temperature of 5-30°C.

RedSafe Etch PLUS has a shelf life of at least 6 months when stored in its original unopened containers. Always re-seal container after use.

### **Disposal**

Users should contact their local water authority to ascertain the requirements for disposing of this type of material. In its normal use as concrete etcher or cleaner little waste is generated. Residues will be washed off with water. If disposal of a quantity of the product concentrate is required, the services of a suitable waste disposal contractor should be used. Either wash away to effluent treatment with water or absorb into a neutral medium such as sand, earth or granules and bag off for disposal.

### **Cleaning**

Dilute with water if required. Neutralisation may be done using soda ash or similar material.

The above details have been compiled to the best of our knowledge on the basis of thorough tests and our practical experience of the product performance. However, due to the fact that Redrock has no direct control over where or how its products are used, Redrock offers no guarantees nor accepts any liabilities deriving from or in connection its products nor with information given in this leaflet. Redrock products are sold subject to its standard terms and conditions, copies of which may be obtained on request or viewed on the website: [www.redrock-uk.co.uk](http://www.redrock-uk.co.uk).

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