

# REDROCK LTD.

## Material Safety Data Sheet

<b>1) PRODUCT NAME</b>	<b>REDSAFE ETCH</b>
General Description:	Concrete cleaner and etching agent
<b>Red Rock (2004) Ltd.</b> P.O.Box 12091 Birmingham B13 9WS  Tel: (0044) 0870 910 7799 Email: info@redrock-uk.co.uk	
<b>2) COMPOSITION / INFORMATION ON INGREDIENTS:</b>	
Urea hydrochloride at 25-50% concentration. CAS No. 506-89-8	
<b>3) HAZARDS IDENTIFICATION:</b>	
Irritating to the eyes. De-fatting action to the skin.	
<b>4) FIRST AID MEASURES</b>	
Skin:	Remove contaminated clothing. Wash off with water.
Eyes:	Flush eyes with flowing water for at least 10 minutes. Seek Immediate Medical Advice.
Ingestion:	Seek Immediate Medical Advice.
Inhalation:	Remove to fresh air.
<b>5) FIRE FIGHTING MEASURES:</b>	
The product is non flammable.	
<b>6) ACCIDENTAL RELEASE MEASURES</b>	
Precautions:	Wear suitable gloves and eye/face protection.
Environmental:	If product enters drains flush copiously with water.
Spillage treatment: 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. Dilute with water if required. Neutralisation may be done using soda ash or similar material.	
MSDS reference: RRKRedEtch 07/04    Material: RedSafe Etch    Page 1/3	

## 7) HANDLING AND STORAGE:

Avoid contact with skin and eyes. Wear suitable gloves and eye/face protection.  
Do not transfer into unsuitable or unmarked containers.  
Do not eat, drink or smoke when using this product.  
Store away from strong alkalis and carbonates and strong oxidising agents.  
Always wash hands after use.

## 8) EXPOSURE CONTROLS / PERSONAL PROTECTION:

Personal exposure limits: There are no assigned exposure limits by any Regulatory Authority

Personal protective equipment: Overalls, PVC/Neoprene gloves (BS EN 374) and chemical splash goggles should be worn.  
Respiratory protection is not normally necessary.

Engineering controls: Use in areas with good ventilation.

## 9) PHYSICAL AND TECHNICAL SAFETY DATA

Appearance: Clear and yellow, aqueous acidic solution.

Specific Gravity/Bulk Density SG ca. 1.2

Odour: Characteristic

Viscosity: ca. 250mPas (20C)

Solubility: Completely miscible with water.

pH Working solution is approx. 2.5 @10%

Flash Point Non flammable

Other Information: Aqueous acidic solution containing urea hydrochloride & water miscible surfactants.

## 10) STABILITY AND REACTIVITY:

Thermal decomposition: Not determined.

Decomposition Products: None

Hazardous reactions: Avoid strong oxidising agents, strong alkalis and carbonates.

## 11) TOXICOLOGICAL INFORMATION:

Eyes: Irritating to eyes, possible burns from the acidic nature of the product.

Skin: The acidic nature of the product may produce irritation and redness. De-fatting could occur.

Ingestion: Some burns to the mouth and throat could occur due to the acidic nature of the product with concomitant internal damage with stomach pain. May be harmful if ingested in quantity.

## 12) ECOLOGICAL INFORMATION

This product is free from phosphates.

## 13) DISPOSAL CONSIDERATIONS:

Users of this product 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.

## 14) TRANSPORT REGULATIONS:

UN Number: 3265

Class: 8

Packing group III

ADR-Road: Class 8

Additional Data: The product is classified IRRITANT Xi, according to these regulations.

## 15) REGULATORY INFORMATION:

CHIP Labelling: Irritant Xi R36/38 S24/25, 26, 37?39, 60.

This Health and Safety Information sheet has been prepared according to the requirements of Directive 91/155/EEC.

Users should also consider the requirements of the Control of Substances Hazardous to Health (COSHH) Regulations, the Health and Safety at Work Act and the Environment Protection Act (EPA).

Users should also note that this H&S Information sheet may be used in the process of preparing risk assessments, but its possession does not remove the need for such assessments to be carried out.

## 16) FURTHER INFORMATION

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our product from the point of view of safety requirements and is not intended to guarantee any particular properties.