

# MATERIAL SAFETY DATA SHEET

This product is classified as a Hazardous Substance according to criteria of NOHSC Australia

## 1. IDENTIFICATION OF THE MATERIAL

Product Name: Calcium Deposit Remover  
Product Code: E407  
Supplier: GSB Chemical Co. Pty. Ltd  
ACN 004 355113  
84 Camp Road  
Broadmeadows Vic. 3047  
Telephone: +61 03 9457 1125  
Facsimile: +61 03 9459 7978  
Internet: www.gsbchem.com.au  
e-mail: info@gsbchem.com.au

Major Uses and Methods of Application: For the removal of Calcium salts from rollers and blankets.

## 2. COMPOSITION

	<b>CAS No.</b>	<b>PROPORTION</b>
Water	7732-18-5	> 60 % w/w
Carboxylic Acid		<10%

## 3. HAZARDS IDENTIFICATION

Risk Phrases: Irritating to eyes and skin  
Poisons Schedule: S5

## 4. FIRST AID MEASURES

For advice, contact a Poisons information Centre (Phone Australia 13 1126, New Zealand 0 800 764766)

Swallowed: Do NOT induce vomiting. Give glass of water and seek medical attention.  
Eye: Flush with flowing water for at least 15 minutes, and if symptoms persist, seek medical attention.  
Skin: Flush skin with flowing water for at least 15 minutes. Remove contaminated clothing and shoes. If irritation persists, seek medical attention Decontaminate clothing before re-use or discard  
Inhalation: If symptoms of overexposure are evident remove to fresh air. If unconscious check pulse and breathing and commence CPR if necessary. Seek medical attention.  
Advice to Doctor: Treat symptomatically. Can cause corneal burns.

## 5. FIRE FIGHTING MEASURES

Calcium Deposit Remover is Non flammable but can react with metals to liberate hydrogen a flammable and potentially explosive gas. If involved in a fire the products of combustion include carbon dioxide and water. Use dry chemical, foam, CO or water spray (fog).  
Fire-fighters should wear impermeable protective clothing and SCBA apparatus

## 6. ACCIDENTAL RELEASE MEASURES

Wear protective clothing. Contain spill and recover spilled liquid for safe disposal. Remainder can be soaked into an inert absorbent (vermiculite, sand, etc.) Neutralise residual acid with alkali such as soda ash and wash thoroughly with water. Dispose absorbed and unrecoverable material to an approved site. Consult local authority. Wash contaminated area down with excess water.

## 7. HANDLING AND STORAGE

Classified as corrosive and must be stored and used in accordance with the relevant regulations.

Only store this product in glass or plastic containers, or polyethylene lined steel as it will be mildly corrosive to most metals. Store away from heat, alkalis, foodstuffs and oxidising agents. This material is a Schedule 5 Poison and must be stored and used in accordance with the relevant regulations.

## 8. EXPOSURE AND PERSONAL PROTECTION

1mg/m<sup>3</sup> of air (TWA), 2 mg/m<sup>3</sup> (STEL) Acid

### Personal Protection:

Eye protection: Safety glasses, goggles or face shield as required

Hand Protection: PVC, neoprene or nitrile rubber gloves

Footwear: Rubber boots

Respiratory Protection: If airborne concentrations are likely to exceed the Exposure Standard, wear approved organic vapour respiratory protection (AS/NZS 1715 and 1716). In high vapour concentrations, wear an air-supplied hood.

Safety showers with eyewash should be provided in all areas where product is handled. No respiratory protection required if engineering, storage and handling controls are adequate,

### Engineering Controls:

General (mechanical) room ventilation plus special local exhaust ventilation at points where vapour could escape to the work environment. All ventilation equipment must be fitted with flame and explosion proof electrical fittings

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Water-white liquid. Characteristic, mild odour.  
Boiling Point: 80 - 100°C (760 mmHg)  
Vapour Pressure: Not available  
Specific Gravity: 1.03 @20°C  
Flash Point: Non Flammable  
Solubility in water: soluble  
Volatiles by volume: 90%  
pH: ~2

## 10. STABILITY AND REACTIVITY

Stable under ordinary conditions of use and storage. is corrosive to most metals and should not be allowed to come into contact with mild steel, cast iron, aluminium, brasses, tinned or galvanised materials.

## 11. TOXICOLOGICAL INFORMATION

Harmful. LD50 (rat) 7500 mg/kg.

No adverse health effects expected if the product is handled in accordance with this MSDS and product label. Symptoms or effects that may arise if the product is misused and overexposure occurs are:

Swallowed: Corrosive to mouth, throat and digestive tract. Large dose may cause nausea and vomiting.

Eye: Severe irritant. Corrosive to eyes. Contact can cause corneal burns.

Skin: Irritant. Repeated or prolonged contact may cause burns

Inhalation: Vapours given off by the product with normal evaporation are not harmful. Inhalation of sprays or mists will cause respiratory irritation and can cause nausea vomiting or headaches

## 12. ECOLOGICAL INFORMATION

Acidic nutrient for undesirable algae. While acidity may be reduced by natural water hardness minerals, the phosphate may persist indefinitely. Avoid contaminating waterways

## 13. DISPOSAL

For small spills or drips, wipe up and dispose in approved waste container. Keep out of sewers, storm drains, surface waters and soil

Dispose absorbed and unrecoverable material to an approved site. Consult local authority

## 14. TRANSPORT INFORMATION

U.N. Number: None allocated                      Hazchem Code: None allocated  
D. G Class: None allocated                      Packaging Group: None allocated  
Poisons Schedule: S5

## 15. REGULATORY INFORMATION

Risk Phrase: R36/38 Irritating to eyes and skin

Safety Phrase: S2 Keep out of reach of children.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible)

Hazard Category: Xi Irritant

## 16. OTHER INFORMATION

Contact: Technical Manager  
Telephone (03) 94571125

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END OF MSDS