

MATERIAL SAFETY DATA SHEET

Limestone Restorer

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY:

PRODUCT NAME: Limestone Restorer
 SUPPLIER: MALCOLM SMITH POWER CLEANING
 45 ROUNDPONDS
 MELKSHAM
 WILTSHIRE
 SN12 8DW
 01225 707200
 07850 119990

2. COMPOSITION/INFORMATION ON INGREDIENTS:

INGREDIENT NAME:	CAS No:	CONTENT:	HEALTH:	RISK:
HYDROCHLORIC ACID	7647-01-0	30-60%	C	34,37
GLYCOLIC ACID	79-14-1	5-10%	C	34

3. HAZARDS IDENTIFICATION:

Causes severe burns. Irritating to respiratory system.

4. FIRST AID MEASURES:

INHALATION: Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION: DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Promptly get the affected person to drink large volumes of water to dilute the swallowed chemical. Get medical attention immediately! Provide rest, warmth and fresh air.

SKIN: Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if symptoms occur after washing.

EYES: Make sure to remove any contact lenses from eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Get medical attention.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA: Product is non flammable. Use extinguishing media appropriate for surrounding fire.

HAZARDOUS COMBUSTION PRODUCTS: Corrosive gases/vapours/fumes.

6. ACCIDENTAL RELEASE MEASURES:

SPILL CLEANUP METHODS: DO NOT TOUCH SPILLED MATERIAL! Wear necessary protective equipment. Neutralise small amount with sodium bicarbonate or lime and flush to sewer with large amounts of water. Large spills – dilute, then neutralise with caustic solution. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area.

7. HANDLING AND STORAGE:

USAGE PRECAUTIONS: Avoid spilling, eye and skin contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Eye wash facilities and emergency shower must be available when handling this product.

STORAGE PRECAUTIONS: Keep in cool, dry, ventilated storage and closed containers. Keep in original container.

STORAGE CRITERIA: Corrosive storage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT NAME:	CAS No:	STD:	LT EXP 8 HRS:	ST EXP. 15 MIN:
HYDROCHLORIC ACID	7647-01-0	OES	No std.	5ppm

INGREDIENT COMMENTS: OES = Occupational Exposure Standard

PROTECTIVE EQUIPMENT:



VENTILATION: Provide adequate general and local exhaust ventilation.

RESPIRATORS: No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL).

PROTECTIVE GLOVES: Use protective gloves.

EYE PROTECTION: Use approved safety goggles or face shield.

OTHER PROTECTION: Wear appropriate clothing to prevent any possibility of skin contact.

HYGENIC WORK PRACTICES:

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. No eating or drinking while working with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Liquid	
Colour:	Straw	
Odour/taste:	Acidic	
Density/Specific gravity (g/ml)	1.13-1.14	TEMPERATURE: 20°C

10. STABILITY AND REACTIVITY:

STABILITY: Normally stable
 CONDITIONS TO AVOID: Reacts with alkalis and generates heat
 HAZARDOUS DECOMP PRODUCTS: Fire or high temperatures create: vapours/gases/fumes of: Sulphuric acid (H₂SO₄), Sulphurous gases (SO₂).

11. TOXOLOGICAL INFORMATION:

INHALATION: May cause irritation to the respiratory system
 INGESTION: Causes burns. May cause stomach pain or vomiting. May cause internal injury.
 SKIN: May cause serious chemical burns of the skin. Causes severe burns..
 EYES: May cause chemical eye burns. Risk of serious damage to eye. Irritation, burning, lacrimation, blurred vision after liquid splash.

12. ECOLOGICAL INFORMATION:

ECOLOGICAL INFORMATION: No data on possible environmental effects have been found.

13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHODS: Dispose of in accordance with Local Authority Requirements.

14. TRANSPORT INFORMATION:

LABEL FOR TRANSPORT:

**ROAD TRANSPORT**

Un No Road: 1789
 ADR Class No: Class 8: Corrosive substances
 ADR Class: 8
 ADR Item No: 5(b)
 Hazard No ADR: 80 Corrosive or slightly corrosive substance
 ADR Marginal: 2801
 ADR Label No: 8
 Hazchem Code: 2R
 CEFIC TEC(R): 50b
 Proper shipping name: Hydrochloric Acid, Solution

RAIL TRANSPORT:

Rid class No: 8
 RID Item No: 5(b)

SEA TRANSPORT:

UN Sea No: 1789
 IMDG Class: 8
 IMDG Page No: 8183
 IMDG Packing Group: II
 EmS No: 8-03
 MFAG Table no: 700

Marine Pollutant: No

AIR TRANSPORT:

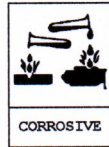
UN Air No: 1789

ICAO Class: 8

Air Packing Group: II

15. REGULATORY INFORMATION:

LABEL FOR SUPPLY:



RISK PHRASES:

R34 Causes burns

R37 Irritating to respiratory system

SAFETY PHRASES:

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 label where possible)

S51 Use only in well ventilated areas

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S1/2 Keep locked up and out of reach of children

STATUTORY INSTRUMENTS: Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

APPROVED CODE OF PRACTICE:

Classification and Labelling of Substances and Preparations Dangerous for Supply

GUIDANCE NOTES:

Occupational Exposure Liability Limits EH40.

Introduction to Local Exhaust Ventilation HS (G) 37.

CHIP for everyone HSG (108)

16. OTHER INFORMATION:

REVISION DATE: 31/07/1998

This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirements. It should not be construed as guaranteeing specific properties.