

PRODUCT SAFETY DATA SHEET Date of Issue: 09-04.05

1. IDENTIFICATION OF PRODUCT & COMPANY

PRODUCT NAME: Malcleanse - Cement and Mortar Cleaner

INTENDED USE : To remove mortar and cement stains.

SUPPLIER: Malcolm Smith – Power Cleaning, 45 Roundponds, Melksham, Wiltshire. SN12 8DW
Tel: 01225-707200 Mobile: 07850-119990

2. COMPOSITION/INFORMATION OF INGREDIENTS

Aqueous solution containing Hydrochloric Acid less than 15% solution and containing surface active and wetting agents.

Chemical Name:	Cas Number:	Hazard Class	Risk Numbers	% wt:
Hydrochloric Acid	7647-01-1	C, Xi	R34 R37	10-25%

3. HAZARDS IDENTIFICATION

Xi (Irritant): Irritating to eyes, respiratory system and skin.
Avoid contact with skin and eyes.

4. FIRST AID MEASURES

Inhalation: Remove to fresh air, keep the patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in recovery position and seek medical advice.
Eye Contact: Immediately irrigate copiously with clean, fresh water or for at least. 15 minutes, seek medical advice. Speed of action is vital.
Skin Contact: Remove contaminated clothing. Immediately irrigate skin thoroughly with of plenty of cold water. Urgently seek medical attention. If medical attention is likely to be delayed, apply Magnesia/Glycerol Paste or a diluted solution of Ammonia. Wash contaminated clothing before re-use.
Ingestion: If accidentally swallowed wash out mouth with water, then give copious quantities of water or milk of magnesia to drink. In all cases obtain immediate medical attention. Keep at rest. *Do Not* induce vomiting.

5. FIRE FIGHTING MEASURES

Extinguishing media: Dry Powder, Foam or Carbon dioxide.
Not be used: Water Jets
Fire Hazards: Heat will generate irritating fumes.

6. ACCIDENTAL RELEASE MEASURES

Observe normal standards of industrial hygiene. Protective overalls safety goggles gloves and rubber boots. Wear full face respirator or air fed hood. If substance enters water courses or sewers inform fire brigade and local water authority. Absorb in an inert material and collect up into suitable containers for disposal. Ventilate area thoroughly. Flush away residues with copious amounts of water.

7. HANDLING AND STORAGE

Store away from acids, combustible substances, and readily oxidisable. Always keep in container made of the same material as the supply container. Avoid skin & eye contact. For personal protection see section 8. Good housekeeping and regular removal of waste materials will minimise risks.
Observe the label precautions. Store between 5 & 25°C in a dry well ventilated place. Prevent unauthorised access. Containers which are opened should be properly resealed and kept upright to prevent leakage. Store away from oxidising agents and strong

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OEL VALUES

Name	8Hr TWA	10 min TWA	Type	Ref
Hydrochloric Acid		5 ppm	OES	E3029

Respiratory Protection: Wear suitable respirator if there is a risk of insufficient ventilation.

Hand Protection: Chemical resistant gloves should be worn.

Skin Protection: A P.V.C. wet suit is strongly advised whilst handling this product.

Eye Protection: Chemical goggles should be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM:	Coloured viscous liquid	pH Value (as delivered):	<1.
APPEARANCE/ODOUR:	Clear/Straw sharp acid odour	SOLUBILITY :	Miscible
BOILING POINT:	100°C(acid vapours)	VISCOSITY:	Approx. 100cps.
FLASH POINT:	N/A	Relative Density:	1.05
AUTO FLAMMABILITY:	N/A		

10. STABILITY AND REACTIVITY

Stability: Acid strength will decrease on ageing.
Reactivity: Reacts strongly with electropositive metals causing corrosion and liberating flammable hydrogen gas. Keep away from alkalis and oxidisers. Will liberate hydrogen if in contact with alkali metals.

11. TOXICOLOGICAL INFORMATION

Effects/Symptoms: Fumes may be irritating to eyes and respiratory system. May cause burns.
General: May cause burns if swallowed Causes irritation of the mouth, throat, nose and gastrointestinal tract. Irritates the respiratory tract effects are mainly transitory and reversible.

12. ECOLOGICAL INFORMATION

Ecological: None available

13. DISPOSAL CONSIDERATIONS

Ensure all waste containers are clearly marked. Dispose via approved disposal company. Do not dispose of chemicals into drains, water courses or onto soil. Wash out empty containers with water.

14. TRANSPORT INFORMATION

Classification: No classified as dangerous for carriage.
Transport Hazard Symbol: Xi (Irritant) Corrosive Substance

15. REGULATORY INFORMATION

Safety Phrases:
 S25/26 Avoid contact with eyes. If in contact wash with plenty of water. Seek medical advice
 S23 Do not breath gas/fumes/vapour/spray
 S2 Keep out the reach of children
 S27 Take off immediately all contaminated clothing.
Risk Phrases:
 R 36.37.38 Irritating to eyes, respiratory system and skin

16. OTHER INFORMATION

The information contained on this Safety Data Sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

Further information and relevant advice can be found in:-
 The Control of Substances Hazardous to Health Regulations 1994 (S1 1994 : 3246)
 The Storage of Flammable Liquids in Containers HS (G) 51 (if applicable)
 The Storage of Packaged Dangerous Substances HS (G) 71 (if applicable)
 The Environmental Protection (Duty of Care) Regulations 1992 (S1 1988 : 2839)