

# PRODUCT SAFETY DATA SHEET Date of Issue: 10.04.05

## 1. IDENTIFICATION OF PRODUCT & COMPANY

**PRODUCT NAME:** Malcleanse Acidic Thick Brick Cleaner

**INTENDED USE :** To remove heavy grime deposits from sandstone.

**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 Chemical Name	Cas No.	Hazard Class	Risk No.	%wt
Hydrochloric Acid	7647-01-0	C	R34	10-25%

## 3. HAZARDS IDENTIFICATION

**Irritant:** Irritating to eyes respiratory system and skin

## 4. FIRST AID MEASURES

**Eye Contact:** Immediately irrigate copiously with clean, fresh water or for at least. 15 minutes, seek medical advice.

**Skin Contact:** Remove contaminated clothing. Immediately irrigate skin thoroughly with plenty of cold water.

**Ingestion:** If accidentally swallowed wash out mouth with water, then give quantities of water or milk drink

**Do not induce vomiting** obtain medical attention.

## 5. FIRE FIGHTING MEASURES

**Extinguishing media:** Not considered a fire risk.

**Not be used:** N/A

## 6. ACCIDENTAL RELEASE MEASURES

Wear suitable protective clothing. Large spillages should be contained, transferred to suitable container and disposed of safely. Neutralise with soda ash. Small spillages may be diluted with water and washed to foul drain. Contain spillage using Sand bags, earth, etc. Prevent product from entering drain/water courses or contaminating soil.

## 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.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>PHYSICAL FORM:</b>	Clear Liquid	<b>pH Value (neat):</b>	pH strong acid
<b>APPEARANCE/ODOUR:</b>	Yellow/Lemon perfumed	<b>pH Value (5% Sol):</b>	pH 1 - 2 typical
<b>BOILING POINT:</b>	100 °C (acid fumes)	<b>VISCOSITY:</b>	Slightly viscous
<b>FLASH POINT:</b>	N/A	<b>SPECIFIC GRAVITY:</b>	N/A
<b>AUTO FLAMMABILITY:</b>	N/A	<b>RELATIVE DENSITY:</b>	1.08 Typical

**10. STABILITY AND REACTIVITY**

**Stability:** stable under normal conditions  
**Reactivity:** Reacts with alkaline materials. Reacts with bleach with production of toxic chlorine gas. May cause corrosion or discolouration of some metals. Reacts with limestone, concrete with production of carbon dioxide gas. Reacts with some metals with production of flammable hydrogen gas.

**11. TOXICOLOGICAL INFORMATION**

**Effects/Symptoms:** Fumes may be irritating to eyes and respiratory system.  
  
 Not classified as harmful by ingestion, but will cause irritation and soreness to mouth and gastrointestinal tract if swallowed.

**12. ECOLOGICAL INFORMATION**

**Ecological:** This product is soluble in water. The product will decrease the pH of the effluent (Acidic)  
 This product is readily biodegradable.

**13. DISPOSAL CONSIDERATIONS**

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

**14. TRANSPORT INFORMATION**

**Classification:** Not classified as dangerous for carriage  
 Xi (Irritant)

**15. REGULATORY INFORMATION**

<b>Safety Phrases:</b>	S2	Keep out of the reach of children
	S24/25	Avoid contact with skin and eyes
<b>Risk Phrases:</b>	R36/37/38	Irritating to eyes, respiratory system and skin

**16. OTHER INFORMATION**

The information 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 (Si 1194 : 3246)  
 The Storage of Flammable Liquids in Containers HS (G) 51 (if applicable)  
 The Storage of packaged Dangerous Substances HS (G) (if applicable)

