

**Material Safety Data Sheet.**

**1. Identification of the substance / preparation and of the company.**

1.1 Identification of the substance / preparation.

ACID WASH

1.2 Intended use.

Micro etching concrete surfaces.

1.3 Company details

PICS Ltd  
Unit 2  
Red Shute Hill Industrial Estate  
Hermitage  
Berkshire  
RG18 9QL  
Tel: 01635 202224  
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Web: [www.picsuk.com](http://www.picsuk.com)

**2. Composition / Information on ingredients.**

2.1 Main components

<b>Product</b>	<b>CAS Number</b>
Hydrogen chloride < 10%	7647-01-1
Water	

**3. Hazards identification.**

3.1 Prolonged exposure may result in irritation.

#### **4. First-aid measures.**

- 4.1 **Eye contact**  
Wash eyes immediately with clean water for at least 15 minutes and seek medical advice.
- 4.2 **Skin Contact**  
Drench the affected area thoroughly with water. Remove contaminated clothing and wash before reuse. If irritation, pain or other skin trouble occurs, seek medical advice.
- 4.3 **Ingestion**  
Wash out mouth with water and give patient plenty of water to drink.
- 4.4 **Inhalation**  
Remove from exposure, rest and keep warm. If recovery is not rapid, seek medical help.

#### **5. Fire fighting measures.**

- 5.1 **Suitable Extinguishers**  
Use extinguisher suitable to cause of fire.
- 5.2 **Hazardous Combustion Products**  
Hydrogen Chloride.
- 5.3 **Special Equipment for Fire Fighting**  
Self contained breathing apparatus and full protective clothing.

#### **6. Accidental release measures.**

- 6.1 **Personal precautions**  
Wear relevant PPE.
- 6.2 **Cleaning up**  
Bund spill area, dilute with water and neutralize with lime slurry or sodium carbonate. Flush away with plenty of water.
- 6.3 **Environmental Precautions**  
Do not allow undiluted material to enter drains, sewers or water courses

## **7. Handling and storage.**

- 7.1 **Handling**  
Ensure good ventilation. Avoid contact with skin and eyes. Do not breathe fumes.
- 7.2 **Storage**  
Must be stored in containers made of rubber lined mild steel, PVC or high density polyethylene. Keep away from products listed in section 10.

## **8. Exposure controls / personal protection.**

- 8.1 **Exposure limits**  
5 ppm (7mg/m<sup>3</sup>)
- 8.2 **Respiratory protection**  
Type approved RPE for acidic vapours.
- 8.3 **Eye protection**  
Safety goggles
- 8.4 **Skin protection**  
PVC or rubber gloves, rubber boots and PVC overalls.

## **9. Physical and chemical properties.**

Appearance	Colourless liquid
Odour	Pungent
PH	< 1
Viscosity	N/A
Freezing point	N/A
Boiling point	N/A
Melting point	N/A
Flash point	N/A
Explosive properties	N/A
Density	< 1.05 @ 15.5°C
Solubility in water	Completely miscible

## **10. Stability and reactivity.**

- 10.1 **Known hazardous reactions**  
Attacks most common metals liberating hydrogen, which can form explosive mixtures with air.
- 10.2 **Materials to avoid**  
Alkalis, concentrated sulphuric acid, oxidising agents, ammonia, amines.
- 10.3 **Hazardous decomposition products**  
Hydrogen chloride

## **11. Toxicological information.**

- 11.1 **Short term effects**  
Inhalation of large quantities of mist or vapour may cause irritation. Irritating to eyes, skin and mucous membranes. Repeated exposure may cause ulceration of septum and gums.

## **12. Ecological information.**

- 12.1 **Mobility**  
Soluble in water, predicted to have high mobility in soil.
- 12.2 **Degradability**  
Neutralised slowly by natural alkalinity
- 12.3 **Bio accumulative potential**  
Material does not bio accumulate
- 12.4 **Aquatic toxicity**  
Fatal to fish and other aquatic life due to low PH

## **13. Disposal considerations.**

Dispose via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations.

## **14. Transport information.**

No special requirements for transportation by road, rail, sea or air.

**15. Regulatory information.**

**Classification – Irritant**

- 15.1 **Risk phrases**  
No risk phrases stipulated

**16. Other information**

- 16.1 If the material is redistributed for sale, details of its hazards and recommended methods for safe handling should be available to all sites and / or customers.
- 16.2 The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The company shall not be held liable for any damage resulting from handling or from contact with the above product.