

SAFETY DATA SHEET

ADOCLEAN-Path & Patio

1.00 IDENTIFICATION OF COMPOUND

ADOCLEAN: Acidic cleaner for blocks, paving, etc.

1.10 IDENTIFICATION OF MANUFACTURER

Adomast Building Chemicals Ltd.
Unit G, Lea Road Trading Estate
Waltham Abbey
Essex EN9 1AE
Telephone: 01992 710 684 Fax: 01992 712 813

2.00 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No	Concentration (%w/w)
Hydrochloric Acid	7647-01-0	< 10%

Hazard Symbol C

Risk Phrases

34: Causes burns.

37: Irritating to the respiratory system.

Chemical name	CAS No	Concentration (%w/w)
Orthophosphoric Acid	7664-38-2	< 10%

Hazard Symbol C

Risk Phrases
34: Causes burns.

3.00 HAZARDS IDENTIFICATION

Irritating to the eyes, respiratory system and skin. Ingestion of the product may cause severe irritation of the mouth, throat and digestive tract.

4.00 FIRST AID MEASURES

Eyes: Flush eyes with copious amounts of water for 10 minutes. Seek medical advice if any irritation persists.

Skin: Remove contaminated clothing. Wash skin with soap and water. Seek medical advice if any irritation persists.

Inhalation: If inhalation of high concentrations of fumes or mist should occur, remove victim from exposure. Obtain medical attention.

Ingestion: Do not induce vomiting. Wash out mouth with water, give 200-300 ml of water to drink and seek medical attention.

5.00 FIRE FIGHTING MEASURES

Extinguishing Media: Water jets.

Special Hazards: Product is itself not flammable but will react with many metals to liberate highly flammable hydrogen gas. In fires highly toxic fumes of chlorine gas may be evolved and there may be a danger of drums bursting.

Special protective equipment: Full body PVC protective clothing and self-contained breathing apparatus.

6.00 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear full protective clothing and goggles. The use of breathing apparatus in confined spaces is recommended.

Environmental Precautions: Do not allow product to enter drains or water courses. Advise local authorities if this is not possible.

Clean Up Methods: Recover all spillages using absorbent materials. Alternatively small spillages may be neutralised with lime and washed away with water.

7.00 HANDLING AND STORAGE

Handling: Avoid contact with eyes/skin. Do not breath fumes. Provide adequate ventilation, including local extraction if necessary. Use appropriate breathing apparatus if this is not possible.

Storage: Store in a well ventilated area away from incompatible materials. (See section 10)

8.00 EXPOSURE CONTROLS / PERSONAL PROTECTION

Hydrochloric acid, Occupational exposure standard

Short Term Exposure Limit (STEL): 7.6mg/m³ 15 min STEL

Orthophosphoric acid, Occupational exposure standard

Short Term Exposure Limit (STEL): 2mg/m³ 15 min STEL

Good working practice suggests that full body protective clothing should be worn when handling this product. Wear suitable breathing apparatus in confined or poorly ventilated spaces. Showers should be provided where accidental exposure may occur.

9.00 PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid **Odour:** Acidic **Colour:** Pale yellow

Relative density: 1.08 - 1.12

Solubility: water soluble **pH:** 0.5 to -0.5

10.00 STABILITY AND REACTIVITY

Conditions to avoid: All sources of heat.

Materials to avoid: Oxidising agents, concentrated acids/alkalis, most metals. Some chemical salts e.g. cyanides, nitrites and sulphites.

Hazardous decomposition products: Acidic gases are released upon thermal decomposition.

11.00 TOXICOLOGICAL INFORMATION

Inhalation: High concentrations of fumes will be irritant to the upper respiratory tract causing coughing and possible lung damage. May cause erosion of the teeth.

Skin contact: Repeated or prolonged skin contact will result in irritation.

Eye Contact: Vapour and liquid will cause irritation.

Ingestion: Causes irritation to mouth, throat and digestive tract. May cause erosion of teeth.

12.00 ECOLOGICAL INFORMATION

Mobility: The product is soluble with water and is expected to have moderate mobility in soil. Hydrochloric acid has moderate volatility.

Degradability: The product is regarded as inherently biodegradable

Accumulation: The chemicals in the product are not expected to bioaccumulate.

Ecotoxicity: Toxic to aquatic forms. Lowers the pH of water.

13.00 DISPOSAL CONSIDERATIONS

Treat as for spillages- see accidental release measures.

Dispose of product and contaminated containers in accordance with local, state or national regulations.

14.00 TRANSPORT INFORMATION

UN No: 1789

Proper Shipping Name: Hydrochloric Acid Mixture

Class/Packing Group: 8/III **HAZCHEM Code:** 2R

ADR/RID Item No: 5(°C) **ADR/RID Hazard ID No:** 80

15.00 REGULATORY INFORMATION

Classification: Irritant **Hazard symbol:** Xi

Risk Phrases:

R36/37/38: Irritating to eyes, respiratory system and skin.

Safety Phrases:

S1/2: Keep locked up and 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 where possible)

16.00 OTHER INFORMATION

Every effort has been made to ensure that the information contained in this safety data sheet is reliable but we cannot accept any liability for any loss, injury or damage that may result from use of the products. This information does not constitute assessment of risk as required by health and safety legislation. Data given in this safety data sheet are solely for guidance in safe handling and use of the product by customers; they do not form part of any specification.

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