



**HYDROCLEAN®**  
**RESTORATION CLEANING SYSTEMS**

*"Manufacturer of the world's finest building cleaning products."*

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SAFETY DATA SHEET

**HT-477**

**Concrete Cleaner**

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SECTION I

**Identification**

Manufacturer:

**Hydrochemical Techniques Inc**

P.O.Box 2078

Hartford, Connecticut 06145

Product Name:

**Hydroclean HT-477 Concrete Cleaner**

Emergency Telephone Number: (800) 278-7681

Date Prepared: January 10, 2019

SECTION II

**Hazard(s) Identification**

UN 1789 Hydrochloric acid, Corrosive, 8, PGII

Chemical Name:

**Hydrochloric Acid** (Muriatic Acid) - CAS Number 7647-01-1 - % 36.0-40.0 - TLV (UNITS) 5 PPM

SECTION III

**Composition/Information on Ingredients**

HT-477 is a blend of various acids and wetting agents. This product is completely biodegradable.

#### SECTION IV

### **First-Aid Measures**

**Threshold Limit Value:** 25 PPM

**Effects of Overexposure:** Extreme exposure may cause irritation of eyes and respiratory passage. Liquid contact with eyes can cause burns. Skin contact can cause irritation.

**Emergency & First Aid Procedures:**

Inhalation - Move victim to fresh air.

Skin - Flush with water for 15 minutes.

Eyes - Flush eyes for 15 minutes with water, then use mild eye rinse containing Sodium Bicarbonate. Seek prompt medical attention.

#### SECTION V

### **Fire Fighting Measures**

**N/A:** HT-477 is a non-flammable, water-based product.

#### SECTION VI

### **Accidental Release Measures**

**Spills or Leaks:** Contains spilled areas with dikes, etc. Neutralize with soda ash and wash down area with plenty of water. Product is completely biodegradable.

**Waste Disposal:** Neutralize with soda ash or lime. Flush residue in accordance with all State and Federal regulations. Product is completely biodegradable.

#### SECTION VII

### **Handling and Storage**

**Handling & Storage:** Store in a cool place and handle with protective equipment. Never add acid or anything other than water to this product.

**Other Precautions:** Keep quick drench facilities on job site and eyewash solution containing Sodium Bicarbonate.

## SECTION VIII

### **Exposure Controls/Personal Protection**

Boiling Point (°F): 230°

Vapor Pressure (mm Hg): 28.0

Vapor Density (Air = 1): Not Available

Solubility In Water (20°C): 100%

Appearance & Odor: Yellow Liquid, Acidic Odor

Identification Number: UN 1789

Specific Gravity: 1.04

Percent, Volatile/Volume: 31

Evaporation Rate: Not Available

pH: .9 in Concentrate

**Respiratory:** If concentrations should exceed 25 PPM, use NIOSH/MSHA approved full face respirator.

**Ventilation:** Provide proper ventilation to keep exposure below the threshold limit value (25 PPM)

**Gloves:** Wear acid resistant gloves. Rubber, neoprene or PVC.

**Eye:** Wear full face plastic face shield or goggles.

**Other Protective Equipment:** Hard hat, acid resistant jacket, trousers and boots.

## SECTION IX

### **Physical and Chemical Properties**

This is a semi-viscous, acidic liquid which has been formulated specifically for the removal of organic and inorganic soils from concrete.

SECTION X

## Stability and Reactivity

### Reactivity Data

**Stability:** Stable

**Incompatibility (Materials to Avoid):** Do not mix with other products.

**Hazardous Decomposition Products:** Not Available

**Conditions to Avoid:** Contact with strong alkaline solutions or unknown solutions.

**Handling & Storage:** Store in a cool place and handle with protective equipment. Never add acid or anything other than water to this product.

**Other Precautions:** Keep quick drench facilities on job site and eyewash solution containing Sodium Bicarbonate.

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