

# HDAC

Heavy Duty Acidic Cleaner

**Deep Cleaning Action For Most Surfaces Including:**

- Flamed & Honed Granite
- Cleft & Honed Slate
- Flamed & Honed Limestone
- Unglazed Ceramic Tile
- Sanded Grout
- Concrete
- Tumbled & Honed Marble
- Quarry Tile
- Ceramic Tile
- Porcelain Tile
- Cast Stone
- Masonry

**Special Features**

- Fast Acting
- Easy-to-Use
- Interior & Exterior
- Less Expensive

**PRODUCT DESCRIPTION**

**KEEP OUT OF REACH OF CHILDREN. HDAC (Heavy Duty Acidic Cleaner)** is a fast acting, heavy duty acid cleaner for textured, non polished, natural and man made surfaces. HDAC removes sanded grout haze and mortar residue, joint cement, lime & hard water deposits, efflorescence, rust and other heavy dirt and grime. HDAC is suitable for interior and exterior use.

**Sample Testing**

Due to the differences of each material, several inconspicuous test patches should be completed to assure maximum performance. **User must determine suitability of the product for their intended use.**

**Protect Neighboring Surfaces**

Always protect neighboring surfaces including wood, carpet, metal, landscaping and other surfaces.

**APPLICATION INSTRUCTIONS**

**Read entire label and PDS/MSDS before using.**

Thoroughly wet the surface to be cleaned with clean water. HDAC may be applied with a clean mop or acid resistant brush. Dilute HDAC with water. Start with 1 part HDAC and 20 parts water. For stronger solutions reduce the water down to as low as 3 parts. Allow HDAC to sit on the surface for 1 - 5 minutes while agitating with a brush. Do not allow HDAC to dry on the surface. Work small areas. Extract all dirty remains with a wet vacuum system. Multiple applications may be necessary. After extracting HDAC solution, rinse thoroughly with clean water. Once surface is complete, rinse areas with **Tile & Stone Cleaner** and clean water (20 - 1) as directed.

If a non acid deep cleaning is necessary use **Liquid Poultice** as directed.

**Light Cleaning:** Use **Tile & Stone Cleaner, Porcelain & Ceramic Tile Cleaner, Grout Cleaner** or **Limestone/Travertine Soap** as directed.

**Special Notes**

Acids and the vapors, no matter how mild, may etch, lighten or alter the color of tile, grout, cementitious and natural stone surfaces. Repeated acid washing may damage some surfaces.

Avoid contact with metals.

Do not mix with ammoniated cleaners as harmful fumes may result.

Allow all new grout, concrete, cement or masonry to cure per the manufacturer's specification before using HDAC.

**Water, Stain & Slip Protection**

To protect cleaned areas from future soiling, staining and increase static coefficient of friction, we recommend applying the appropriate **Miracle Penetrating Sealer/Impregnator**.

**Color and Gloss Enhancement**

For added color with "Textured and Non polished" surfaces, **511 Seal & Enhance** or **Mira Matte** may be used. For porous type "Pavers", **511 Seal & Enhance** may be used as directed.

**Coverage**

Coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution left on the surface and application method. Used as directed, HDAC will cover approximately 1,000 - 2,000 square feet per gallon (90 - 185 square meters per 3.785 liters).

**MAINTENANCE**

For ongoing maintenance instructions please refer to **Miracle Sealants Care Guide**. Refer to the **Miracle Sealants Product Recommendation Chart** for specific product recommendations.

**Storage**

Store HDAC in the original container, properly sealed to avoid contamination and evaporation. Stored at 77° F (25° C), HDAC will have a shelf life of 12 months. Do not allow to freeze.

**Technical Support**

For additional technical support, contact Miracle Sealants Company at 1-800-350-1901 or 626-443-6433 ext. 3013

**Office Hours**

Monday - Friday from 8:30 am - 5:00 pm PT.  
1-626-443-6433 or 1-800-350-1901 • Fax: 1-626-443-1435  
website: www.miraclesealants.com

**Product Damaged During Transportation**

If product is damaged during transportation contact Info Trac @ 1-800-535-5053

**Additional Products**

Miracle Sealants Company offers a complete line of water & stain repellents, sealers, cleaner, polishing compounds, diamond abrasives, machinery and accessories for the tile, stone, concrete, metal, fabric and carpet professional or do-it yourself specialist.

**Caution**

HDAC contains hydrochloric acid. Keep away from eyes and skin. Do not inhale or swallow. Chemical resistant gloves and respirators should be worn at all times. Use in a well ventilated area. Good ventilation means that fresh air is flowing in such a way as to feel a slight breeze. Continue to ventilate until odors are completely eliminated. Inhaling the odors can be harmful. Keep away from heat and open flames. Avoid prolonged contact with skin. Keep small children and pets out of area until product or surfaces has thoroughly dried. **Refer to MSDS for additional information.**

**Warranty**

Instructions are a condensed guide and should not be considered complete. In the event of failure, the only obligation of Miracle Sealants Company shall be to replace such products proven to be defective. **Before using, user shall determine the suitability of the product for their intended use. User assumes all risks and liability whatsoever in connection therein.** Neither seller nor manufacturer shall be liable for any injury or inability to use this product.

**HDAC****Heavy Duty Acidic Cleaner**

**MIRACLE**  
Sealants Company

www.miraclesealants.com

**Osha's Hazard Communication Standard  
U.S. Department Of Labor**

 29 CFR 1910.1200 OMB No. 1218-0072  
 Identity No: Name: Heavy Duty Acidic Cleaner
**Section 1**
 Manufacturers Name: Miracle Sealants Company  
 Address: 12318 Lower Azusa Road  
 Emergency Phone: 800-350-1901  
 City: Arcadia  
 State: CA  
 Phone: 626-443-6433  
 Date Prepared: 02 - 2012
**Section 2 - Hazardous Ingredient/Identity Information**

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV
Hydrochloric Acid	7647-01-0	5ppm	5ppm
VOC : 0% by weight			

**Section 3 - Physical/Chemical Characteristics**

Boiling point: > 212°F	Specific gravity: 1.125
Vapor pressure : Not tested	Melting point: Not tested
Vapor Density : Not tested	Evaporation rate: Not tested
Solubility in water: 100%	
pH: 0.5-2.0	

Appearance and odor: Amber color, acrid odor

**Section 4 - Fire And Explosion Hazard Data**
 Flash point: Not Available Flammable limits: Not tested  
 LEL: Not tested UEL: Not tested

NFPA hazard rating (0 = Least, 4 = Extreme)

 Health: 3 Fire: 0  
 Reactivity: 0 Other: 0

HMIS Hazard Rating:

 Health: 3 Fire: 0  
 Reactivity: 0

Extinguishing media: None

Special fire fighting procedures: None

**Section 5 - Reactivity Data**

Stability: Stable

Conditions to avoid: None

Incompatible materials to avoid: Strong oxidizers, ammonia

Hazardous Polymerization: Will not occur.

Hazardous decomposition products: CO, CO<sub>2</sub>**Section 6 - Health Hazard Data****Routes of Entry:**
 Eyes - Possible  
 Inhalation - Possible  
 Skin - Possible  
 Ingestion - Possible  
 Health hazards: Same as signs and symptoms of overexposure.

Carcinogenicity:

OSHA: None NTP: None

IARC Monographs: None

**Sign And Symptoms Of Over Exposure:**

Eyes: Burning sensation.

Skin: Severe irritation.

Ingestion: Poisonous, vomiting, irritation.

Inhalation: Burning Irritation.

Medical conditions aggravated: None known.

**Emergency and First Aid Procedures:****Eyes:** Flush with water for 15 minutes. If irritation persists, call a physician.**Skin:** Wash with soap and water. If irritation persists, call a physician.**Ingestion:** Do not induce vomiting. Call a physician or Poison Control Center immediately.**Inhalation:** Get person to fresh air. If unconscious, call a physician.**Section 7 - Precautions and Safe Handling And Use**

Steps to be taken in case material is released or spilled: Soak up with inert, absorbent material. Scoop up and place in a proper waste disposal container.

Waste disposal method: Dispose of in accordance with local, state, and federal regulations.

Precautions to be taken in handling and storing: Store in a cool, dry place, out of direct sunlight. Do not freeze less than or equal to 32° F or heat above 110° F.

Other precautions: **KEEP OUT OF REACH OF CHILDREN.** Follow directions on the container for proper use of this product.**Section 8 - Control Measures**

Respiratory protection: Ventilate by opening all doors and windows. If exposure above the TLV or PEL require a NIOSH approved respirator equipped for the exposure or suitable respiratory protection per 29 CFR 1910.134 is required.

Protective gloves: Rubber or plastic, chemical resistant.

Eye protection: Tight fitting, splash proof safety glasses or goggles.

Other protective clothing or equipment: Chemical resistant clothing.

Work hygienic practices: Wash hands thoroughly before handling food stuffs, liquids or tobacco products. Use common sense and care around chemicals. Never mix this product with other chemicals. Consult your supervisor for all other hygienic and safety practices. All practices depend on your specific business. Directions for use normally found on label which will dictate engineering and control measures.

**Section 9 - Shipping & Regulatory Classification**

DOT Shipping Name: Please refer to the Bill of Lading receiving/ documents for up-to-date information.

DOT#: NA 1760 DOT Hazard Class: Not Available

Toxic Substances Control Act (TSCA): This product and/or all the ingredients contained in this product have been registered under the Toxic Substances Control Act.

**SARA:** No SARA 313 chemicals identified.**NOTE:** Miracle Sealants believes the data set forth are accurate. Miracle Sealants makes no warranty with respects thereto and disclaims all liability or reliance thereon. Such data are offered solely for consideration, investigation and verification. Also, the data set forth is for the concentrated finished product. All lab samples are for experimental purposes only and used at the customers discretion.