

SAFETY DATA SHEET



SECTION 1 – IDENTIFICATION

Product Identifier: Stone Restore HD
Product Use: Acid-based stone cleaner
Manufactured for: Presto Restoration Products
401 East Jackson Street
Suite 2340
Tampa, Florida 33602

Emergency Telephone #:
INFOTRAC 1-352-323-3500 (Int'l)
1-800-535-5053 (North America)
Company Phone Number:
1-877-329-0472
770-454-8725

UN/ID No: UN1789

Date Prepared: September 26, 2013

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SECTION 2 – HAZARD(S) IDENTIFICATION

Appearance Purple liquid

Physical State Liquid

Odor Slight acidic

Classification

Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Corrosive to Metals	Category 1

Hazards Not Otherwise Classified (HNOC)

May be harmful if swallowed

Signal Word

Danger

Hazard Statements

Causes severe skin burns and eye damage

May be corrosive to metals



Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

Keep only in original container

Precautionary Statements - Response

IF IN EYES:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN (or hair):

Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

IF INHALED:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

IF SWALLOWED:

Rinse mouth. Do NOT induce vomiting.

IN CASE OF SPILL:

Absorb spillage to prevent material damage.

Precautionary Statements - Storage

Store locked up

Store in corrosive resistant container with a resistant inner liner

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

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SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Hydrochloric acid	7647-01-0	<20

SECTION 4 – FIRST AID MEASURES

First Aid Measures

<u>Eye Contact:</u>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention/advice.
<u>Skin Contact:</u>	Wash skin thoroughly with mild soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. Seek medical attention if irritation develops.
<u>Inhalation:</u>	If symptomatic, move to fresh air. If not breathing, give artificial respiration. Call a physician or poison control center immediately.
<u>Ingestion:</u>	Do not induce vomiting. If spontaneous vomiting occurs, keep head below hips to prevent aspiration and monitor breathing. Never give anything by mouth to an unconscious person. Get medical attention if necessary.

Most Important Symptoms and Effects

<u>Symptoms:</u>	Burning and/or irritation to eyes and skin. Prolonged contact may cause irreversible damage to eye. Mist or vapor inhalation can cause irritation to the nose, throat, and upper respiratory tract. May cause gastrointestinal disturbance. Irritation and corrosive burns to mouth, throat, and stomach.
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Indication of Any Immediate Medical Attention and Special Treatment Needed

<u>Notes to Physician:</u>	Treat symptomatically.
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SECTION 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Foam. Water spray (fog).

Unsuitable Extinguishing Media

Not determined.

Specific Hazards Arising from the Chemical

Product is not flammable. Toxic fumes may be given off when material is exposed to fire.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions: Use personal protective equipment as required.

Environmental Precautions: See Section 12 for additional Ecological Information.

Methods and Material for Containment and Cleaning Up

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up: Contain and collect with an inert absorbent and place into an appropriate container for disposal.

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SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling: Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes or clothing.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from incompatible materials. Store away from heat, sparks, flame. Keep locked up and out of reach of children. Keep only in original container.

Incompatible Materials: Oxidizing agents. Strong alkalis.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrochloric acid 7647-01-0	Ceiling: 2 ppm	(vacated) Ceiling: 5 ppm (vacated) Ceiling: 7 mg/m ³ Ceiling: 5 ppm Ceiling: 7 mg/m ³	IDLH: 50 ppm Ceiling: 5 ppm Ceiling: 7 mg/m ³

Appropriate Engineering Controls

Engineering Controls: Ventilation systems. Eyewash stations. Showers.

Individual Protection Measures, Such as Personal Protective Equipment

Eye/Face Protection: Wear approved safety goggles where a splash hazard exists.

Skin and Body Protection: Wear rubber, nitrile, or neoprene gloves.

Respiratory Protection: In case of inadequate ventilation wear respiratory protection.

General Hygiene

Considerations: Handle in accordance with good industrial hygiene and safety practice.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Appearance	Color	Odor	Odor Threshold
Liquid	Purple liquid	Purple	Slight acidic	Not determined

Property	Values	Remarks • Method
pH	1.5	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	100 °C / 212 °F	
Flash Point	Not flammable	
Evaporation Rate	> 1	(butyl acetate = 1)
Flammability (Solid, Gas)	n/a-liquid	
Upper Flammability Limits	Not applicable	
Lower Flammability Limit	Not applicable	
Vapor Pressure	Not available	
Vapor Density	Not available	
Specific Gravity	1.1	
Water Solubility	Completely soluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
VOC Content	<5	

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SECTION 10 – STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

Keep out of reach of children.

Incompatible Materials

Oxidizing agents. Strong alkalis.

Hazardous Decomposition Products

May emit toxic fumes under fire conditions.

SECTION 11 – TOXOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

<u>Eye Contact:</u>	Causes severe eye damage.
<u>Skin Contact:</u>	Causes severe skin burns.
<u>Inhalation:</u>	Avoid breathing vapors or mists.
<u>Ingestion:</u>	May be harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Hydrochloric acid 7647-01-0	= 700 mg/kg (Rat)	> 5010 mg/kg (Rabbit)	= 3124 ppm (Rat) 1 h

Information on Physical, Chemical and Toxicological Effects

Symptoms: Please see section 4 of this SOS for symptoms.

Delayed and Immediate Effects as Well as Chronic Effects From Short and Long-Term Exposure

Carcinogenicity: Not classifiable as a human carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Hydrochloric acid 7647-01-0		Group 3		

Numerical Measures of Toxicity

Not determined

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Hydrochloric acid 7647-01-0		282: 96 h <i>Gambusia affinis</i> mg/L LC50 static		

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Persistence/Degradability

Not determined

Bioaccumulation

Not determined

Mobility

Not determined

Other Adverse Effects

Not determined

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes: Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging: Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 14 – TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

UN/ID No: UN1789
Proper Shipping Name: Hydrochloric acid solution
Hazard Class: 8
Packing Group: II

IATA

UN/ID No: UN1789
Proper Shipping Name: Hydrochloric acid solution
Hazard Class: 8
Packing Group: II

IMDG

UN/ID No: UN1789
Proper Shipping Name: Hydrochloric acid solution
Hazard Class: 8
Packing Group: II

SECTION 15 – REGULATORY INFORMATION

International Inventories

Not determined

US Federal Regulations

CERCLA

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Hydrochloric acid 7647-01-0	5000 lb	5000 lb	RQ 5000 lb final RQ RQ 2270 kg final RQ

SARA 313

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Hydrochloric acid - 7647-01-0	7647-01-0	<20	1.0

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CWA (Clean Water Act)

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Hydrochloric acid 7647-01-0 (<20)	5000 lb			X

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Hydrochloric acid 7647-01-0	X	X	X

SECTION 16 – OTHER INFORMATION

NFPA	Health Hazards Not determined	Flammability Not determined	Instability Not determined	Special Hazards Not determined
HMIS	Health Hazards 3	Flammability 0	Physical Hazards 0	Personal Protection B

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Disclaimer

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