

# Safety Data Sheet

Conforms to OSHA CFR 29 1910.1200 and aligns to the United Nations Globally Harmonized System  
Conforms to The United Nations Regulation Globally Harmonized System  
Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II – Europe  
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Conforms to the Australian Preparation of Safety Data Sheets for Hazardous Chemicals under section 274 of the Work Health and Safety Act

## Section 1 - Chemical Product and Company Identification

1.1 Product Name: **Brick Renew**

1.2 Distributor: AP Formulators 1015 Georgia St., South Houston, TX 77587 (888) 783-7627

1.3 Product Use Cleaning Compound

1.4 Emergency Telephone Number: CHEMTREC 1-800-424-9300

## Section 2 - Hazards Identification

### GHS HAZARD

#### 2.1 Hazard Classes

Corrosive to metals

Acute toxicity, oral

Acute toxicity, dermal

Skin corrosion

Serious eye damage

Specific Target Organ Toxicity single exposure

#### Hazard Categories

Category 1

Category 4

Category 4

Category 1A

Category 1

Category 3

2.2 Signal Word: **Danger**



2.3 Pictograms:

#### 2.4 Hazard Statements

PHYSICAL HAZARDS:

H290 May be corrosive to metals

HEALTH HAZARDS:

H314 Causes severe skin burns and eye damage

H318 Causes serious eye damage

H331 May cause respiratory irritation

ENVIRONMENTAL HAZARDS:

None

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## PRECAUTIONARY STATEMENTS:

P261: Avoid breathing vapors  
P280: Wear protective gloves and eye protection

P301 +310+ P331: IF SWALLOWED: USA Immediately call the National POISON CENTER at **800-222-1222**.  
OUT SIDE USA Immediately call poison center or doctor. DO NOT induce vomiting

## RESPONSE STATEMENTS:

P303+P361+353: IF ON SKIN, Take off immediately all contaminated clothing. Rinse skin with water/shower  
P304+340: IF INHALED, Remove to fresh air and keep comfortable for breathing. If not breathing give artificial respiration. DO NOT use mouth to mouth resuscitation without proper protection  
P305+P351: IF IN EYES rinse cautiously with water for at least 15 minutes  
P306+P361: IF ON CLOTHING, Take off contaminated clothing  
P376: Stop leaks if safe to do so

## STORAGE STATEMENTS:

P403 + P233: Store in a well-ventilated place, Keep container tightly closed when not in use

## DISPOSAL STATEMENTS:

P501: Dispose of content and/ container in accordance with local, regional, national regulations

## Section 3 - Composition / Information on Ingredients

### 3.1

Chemical Names	CAS #.	Concentration%	Other Identifiers
Sulfuric Acid	7664-93-9	>1% <20%	Dipping Acid
Hydrochloric Acid	7647-01-0	>1% <30%	Hydrogen Chloride
Water	7732-18-5	>1% <10%	None

## Section 4 - First Aid Measures

**4.1 Eye:** Contact with the eyes can cause serious irritation. Symptoms may include discomfort or pain and redness. Severe overexposure can result in swelling of the conjunctiva along with tissue damage.

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**4.2 Skin:** Prolonged and repeated liquid contact can cause defatting and drying of the skin and can lead to irritation and/or dermatitis.

**Skin:** Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse.

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**4.3 Ingestion:** Liquid ingestion can cause inebriation, headache, gastrointestinal pain, nausea, and vomiting leading to central nervous system depression. Aspiration of liquid into the lungs must be avoided as even small quantities in the lungs can produce chemical pneumonia, pulmonary edema and even death.

**Ingestion:** Do NOT induce vomiting. Get medical aid immediately.

**4.4 Inhalation:** Prolonged breathing of high vapor concentrations can produce headache, dizziness, nausea, and impaired vision. Excessive overexposure can cause central nervous system depression, loss of consciousness, liver damage and death resulting from respiratory failure.

**Inhalation:** Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult and **IF TRAINED**, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation without protection.

**After first aid, get appropriate paramedic, or community medical support.**

**4.5 Note to Physicians:** The severity of outcome following ingestion may be more related to the time between ingestion and treatment, rather than the amount ingested. Therefore, there is a need for rapid treatment of any ingestion exposure.

## Section 5 - Fire-Fighting Measures

**5.1 Flammable Properties:** Not flammable

**5.2 Suitable Extinguishing Media:** Carbon dioxide, dry chemical powder or appropriate foam. Use water to keep non-leaking, fire-exposed containers cool.

**5.3 Precautions for Firefighters:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Substance is noncombustible. Contact with metals may evolve flammable hydrogen gas.

## Section 6 - Accidental Release Measures

**6.1 Personal Precautions:** Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Increase ventilation to area or move container to a well-ventilated and secure area. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Before entry, especially into confined areas, check atmosphere with an appropriate monitor.

### 6.2 Methods for Containment and Clean-up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating vapor conditions. Cover with sand, dry lime or soda ash and place in a closed container for disposal. Provide ventilation. Evacuate unnecessary personnel.

**6.3 Other Information:** Report spills to local health, safety and environmental authorities, as required.

## Section 7 - Handling and Storage

### 7.1 Handling Precautions

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Do not breathe dust minimize dust generation and accumulation. Do not get in eyes, on skin, or on clothing

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**7.2 Storage:** Store in a cool, dry, well-ventilated area, out of direct sunlight. Keep quantities stored as small as possible. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel.

## Section 8 - Exposure Controls / Personal Protection

### 8.1

Chemical Names	ACGIH- TLV	OSHA - PEL
Sulfuric Acid	.02 mg/m <sup>3</sup> TWA	1 mg/m <sup>3</sup> TWA
Hydrochloric Acid	2 ppm C	5 ppm C

**ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value.**

**OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits.**

**NOTE: TWA Means** "TWA is the employee's average airborne exposure in any 8-hour work shift of a 40-hour work week which shall not be exceeded."

**8.2 Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below TLV/PELs Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

**8.3 Contaminated Equipment:** Separate contaminated work clothes from street clothes and launder before reuse. Remove this material from your shoes and clean personal protective equipment.

### 8.4 Personal protective equipment

Respiratory Protection

MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen.

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique to avoid skin contact with this product. Dispose of contaminated gloves after use. Select gloves tested to the **ANSI/ISEA 105-2011**

Full contact: Nitrile rubber

Splash contact: Nitrile rubber

This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use. It should not be construed as offering an approval for any specific use scenario.

Eye protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH.

Skin and body protection

Impervious clothing.

### 8.5 Protective Clothing Pictograms



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## Section 9 - Physical and Chemical Properties

### 9.1

**Physical State:** Liquid

**Appearance:** Clear

**Odor:** Pungent

**Vapor Pressure:** No information found

**Vapor Density (Air=1):** No information found

**Molecular Weight:** No information found

**Specific Gravity (H<sub>2</sub>O=1, at @60°F 4 °C):** 3.3

**pH:** 1 to 3

**Water Solubility:** Miscible in water

**Boiling Point:** >320 °F (160°C)

**Freezing/Melting Point:** 25° F (-4° C)

**Viscosity:** Not available

**Flash Point:** Not applicable

**Auto ignition Temperature:** Not applicable

**LEL:** Not applicable

**UEL:** Not applicable

## Section 10 - Stability and Reactivity

**10.1 Stability:** Stable under ordinary conditions of use and storage.

**10.2 Polymerization:** Hazardous polymerization has not been reported.

**10.3 Chemical Incompatibilities:** Potassium chlorate, potassium perchlorate, potassium permanganate, sodium, lithium, bases, organic material, halogens, metal acetylides, oxides and hydrides, metals (yields hydrogen gas), strong oxidizing and reducing agents and many other reactive substances.

**10.4 Conditions to Avoid:** Heat, incompatibles.

**10.5 Hazardous Decomposition Products:** Phosphine, oxides of phosphorus and sulfur, hydrogen gas.

## Section 11- Toxicological Information

### 11.1

Product Name	Results	Species	Dose	Exposure
Sulfuric Acid	Oral LC50	Rat	<2000 mg/kg	Not listed
Hydrochloric Acid	Oral LC50	Rabbit	900 mg/kg	Not listed

The calculated Acute Toxicity Estimate Value (ATE) for this mixture:

ATE oral = 1450 mg/kg

ATE dermal = 680 mg/l

ATE inhalation (vapors) = No Data

**11.2 Routes:** Inhalation, Ingestion, absorption. skin and/or eye contact.

**11.3 Target Organs:** Teeth, Lungs, Eyes, Kidneys, Central nervous system

**11.4 Inhalation** Harmful if inhaled. Causes respiratory tract irritation.

**11.5 Ingestion** May be harmful if swallowed.

**11.6 Skin** Causes skin damage

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**11.7 Eyes** Causes eye damage

**11.8 Teratogenicity/Embryotoxicity:** Not harmful the unborn child

**11.9 Reproductive Toxicity:** Not a reproductive hazard

**11.10 Mutagenicity:** Not a mutagen

**11.11 Potential health effects** Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.

**11.12 Signs and Symptoms of Exposure:** Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

**11.13 Carcinogenicity:**

Chemical Name	IARC	ACGIH	NTP	OSHA
Sulfuric Acid	Not listed	Not listed	Not listed	Not Listed
Hydrochloric Acid	Not classifiable as to its carcinogenicity to humans	Not listed	Not listed	Not listed

### Key to Abbreviations

IARC = International Agency for Research on Cancer.

ACGIH= American Conference of Governmental Industrial Hygienists

NTP = National Toxicology Program

## Section 12 - Ecological Information

### 12.1

Product Name	Results	Species	Exposure
Sulfuric Acid	LC50 733 mg/l	Fish	96 hours
Hydrochloric Acid	LC50 286 mg/l	Fish	96 hours

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

**12.3 Mobility in soil:** No data available for this product.

**12.4 Persistence/degradability:** No data available for this product.

**12.5 Bioaccumulation:** No data available for this product.

**12.6 PBT and vPvB assessment:** No data available for this product.

## Section 13 - Disposal Considerations

**13.1 Disposal: DO NOT REUSE EMPTY CONTAINER!** Container with residues should be considered to be hazardous wastes. Contact a licensed contractor for detailed recommendations. Follow applicable federal, state, and local regulation

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## Section 14 - Transport Information

### 14.1 US Transport Information



**ID No.:** UN 1760

**Shipping Name:** Corrosive Liquids, n.o.s. (Sulfuric Acid Hydrochloric Acid)

**Hazard Class:** 8

**Packing Group:** II

**Label:** Corrosive

**Placard:** Corrosive

### 14.2 TDG Canadian Transport Information



**ID No.:** UN 1760

**Shipping Name:** Corrosive Liquids, n.o.s. (Sulfuric Acid Hydrochloric Acid)

**Hazard Class:** 8

**Packing Group:** II

**Label:** Corrosive **Placard:** Corrosive

### 14.3 IMDG Transport Information



**ID No.:** UN 1760

**Shipping Name:** CORROSIVE LIQUIDS, N.O.S. (Sulfuric Acid Hydrochloric Acid)

**Hazard Class:** 8

**Packing Group:** II

**EmS Number:** F-A, S-B

**Label:** Corrosive

**Placard:** Corrosive



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### 14.4 ADR/RID Transport Information



**ID No.:** UN 1760

**Shipping Name:** Corrosive Liquids, n.o.s. (Sulfuric Acid Hydrochloric Acid)

**Hazard Class:** 8

**Packing Group:** II

**Label:** Corrosive

**Placard:** Corrosive

**Classification Code:** C9

### 14.5 Australian Dangerous Goods Transport Information



**ID No.:** UN 1760

**Shipping Name:** Corrosive Liquids, n.o.s. (Sulfuric Acid Hydrochloric Acid)

**Hazard Class:** 8

**Packing Group:** II

**Label:** Corrosive

**Placard:** Corrosive

**HAZCHEM CODE:** 2X HIN88/80

## Section 15 - Regulatory Information

### 15.1 US Regulations:

**TSCA:** All components of this product are on TSCA or are exempt from reporting requirements.

**CERCLA Hazardous Substances and corresponding RQs:** Sulfuric Acid 1000 pounds Phosphoric Acid 5000 pounds

**SARA Community Right-to-Know Program:** None

**Clean Water Act:** none

**Clean Air Act:** none

**OSHA:** All ingredients are listed in 1910.1200

### State Regulations

**California prop. 65:** None



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### Chemicals on the following State Right to Know Lists:

**Massachusetts:** All components of this product are on the Massachusetts Inventory or are exempt from Inventory requirements.

**New Jersey:** All components of this product are on the New Jersey inventory or are exempt from Inventory requirements

**Pennsylvania:** All components of this product are on the Pennsylvania Inventory or are exempt from Inventory requirements

### 15.2 Canadian Regulations:

**The following substances are specified on the public Portion of the Domestic Substances List (DSL):** All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

### 15.3 Europe Regulations:

**Classification and labeling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (Including amendments) and take into account the intended product use.** All substances contained in this product are listed or are not required to be listed.

### 15.4 International Regulations

**Australian Inventory of Chemical Substance:** All components of this product are on the Inventory or are exempt from Inventory requirements.

**National Existing Chemical Inventory in Taiwan:** All components of this product are on the Inventory or are exempt from Inventory requirements.

**Philippine Inventory of Chemicals and Chemical Substances** All components of this product are on the Inventory or are exempt from Inventory requirements.

**China Existing Chemical Inventory:** All components of this product are on the Inventory or are exempt from Inventory requirements.

## Section 16 - Other Information

**Disclaimer:** The information presented in this Safety Data Sheet is based on data believed to be accurate as of the date this Safety Data Sheet was prepared. HOWEVER NO responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above is furnished on the condition that the person receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use.

**References: References:** CHEMpendium data base of Canadian Centre for Occupational Health and Safety (CCOHS), JJ Keller on Line, European Chemical Agency Data Base and MSDS and SDS of chemicals in this mixture.

**SDS Preparation Date:** May 15, 2015

### SDS Revisions:

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