Concrete Stain - Etching

SAFETY DATA SHEET
(Complies with OSHA 29 CFR 1910.1200)

SECTION I: PRODUCT IDENTIFICATION

The QUIKRETE® Companies
One Securities Centre
3490 Piedmont Road, Suite 1300
Atlanta, GA 30305

Emergency Telephone Number
(770) 216-9580

Information Telephone Number
(770) 216-9580

MSDS H3
Revision: Sep-13

QUIKRETE® Product Name
QUIKRETE® Concrete Etching Stain

Code #
7215-25, -26, -27, -28, -29

Product Use: Chemical stains for concrete and masonry

SECTION II - HAZARD IDENTIFICATION

Hazard pictograms GHS05, GHS07
Signal word Danger
Hazard-determining components of labeling: Hydrochloric Acid mixture; Chromium VI
Classification of the substance or mixture

GHS05 Corrosion
H314 Causes severe skin burns and eye damage
H317 May cause damage to organs

GHS07 Irritant
H302 Harmful if swallowed.
H319 Causes serious eye irritation.

H350 May cause cancer. May contain hexavalent Chromium.
Classification system:
The classification was made according to the latest editions of international substances lists defined by the Globally Harmonized System, and expanded upon from company and literature data.

NFPA Ratings (Scale 0-4)

Health = 3, Fire = 1*, Reactivity = 3

*Material itself is nonflammable, however reactions may liberate flammable hydrogen gas

Hazard statements  May cause cancer. Harmful if swallowed. Causes severe skin burns and eye damage.

Precautionary statements
P201  Obtain special instructions before use
P202  Do not handle until all safety precautions have been read and understood
P260  Do not breathe dust/fume/gas/mist/vapors/spray.
P264  Wash skin thoroughly after handling.
P270  Do not eat, drink or smoke when using this product.
P280  Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P330 + P331  IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353  IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340  IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313  IF exposed or concerned: Get medical advice/attention.
P309 + P311  IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
P501  Dispose of contents/container to an approved waste disposal plant.

SECTION III - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>CAS No.</th>
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<tbody>
<tr>
<td>Hydrochloric Acid</td>
<td>7647-01-0</td>
</tr>
<tr>
<td>May contain one or more of the following metal ions: Cu^{+2}, Fe^{+3}, Fe^{+2}, Cr^{+3}, CrO_{4}^{-2}</td>
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<table>
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<tr>
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<td></td>
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</table>
Etching Stains may contain Cr(VI)

SECTION IV – First Aid Measures

General information:
Immediately remove any clothing soiled by the product.
After inhalation: In case of unconsciousness place patient stably in side position for transportation.
After skin contact: Immediately wash with water and soap and rinse thoroughly.
After eye contact: Rinse opened eye for several minutes under running water. Call a doctor immediately. Remove contact lenses, if present. Hold eyelids apart and flush with water for at least 15 minutes.
After swallowing: DO NOT INDUCE VOMITING. Immediately call a doctor. Never give anything by mouth to an unconscious person. Drink copious amounts of water and provide fresh air.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

Suitable extinguishing agents: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Special hazards arising from the substance or mixture: No further relevant information available.
Protective equipment: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.
Flammability of the Product: Non-flammable
Auto-Ignition Temperature: Not available
Flash Points: Not applicable
Products of Combustion: Not applicable
Explosion Hazards in Presence of Various Substances: Non-explosive in presence of shocks
Special Remarks on Fire Hazards: None

SECTION VI – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Wear protective equipment (See section VIII). Keep unprotected persons away.
Environmental precautions: Do not allow to enter sewers/surface or ground water.
Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, and universal binders.) Use neutralizing agent. Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND STORAGE

Handling

Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace. Avoid contact with aluminum and other metals. Reactions with aluminum, particularly foil, may generate flammable hydrogen gas. Use, store and transfer only with acid resistant plastic containers, DO NOT USE aluminum or any other metal container.

Information about protection against explosions and fires: No special measures required.

Storage

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep receptacle tightly sealed.

Specific end use(s): No further relevant information available

SECTION VIII – EXPOSURE CONTROL MEASURES

Components with limit values that require monitoring at the workplace:

CAS 7647-01-1 Hydrochloric Acid

PEL 5 ppm / 7 mg/m³ (ceiling)

TLV 2 ppm / 3 mg/m³ (ceiling)

Additional information: The lists that were valid during the creation were used as basis.

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Personal protective equipment

Protection of hands:

Protective gloves

Wear gloves of adequate length to offer appropriate skin protection from splashes. Nitrile, Butyl and PVC gloves have been found to offer adequate protection for incidental contact.

Eye protection:

Safety Glasses
SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

General Information
Appearance
Form: Liquid
Color: Various colors
Odor: Pungent; acidic

pH-value at 20°C (68 °F): 1-2
Boiling point/Boiling range: ~212°F / 100°C
Flash point: None - Nonflammable
Auto igniting: Product is not self-igniting.

Vapor pressure at 21°C (70°F) 170 mm Hg (227 hPa)
Density at 25°C (77 °F): 1.12 – 1.30 g/cm³
Solubility in / Miscibility with
Water: Soluble
VOC content: 0

SECTION X - REACTIVITY DATA

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
Incompatible materials: Bases, amines, alkali metals, metals - especially aluminum, permanganates, Fluorine, metal acetylides, hexalithium disilicide, and bleach
Hazardous decomposition products: No dangerous decomposition products known

SECTION XI – TOXICOLOGICAL INFORMATION

Acute toxicity:
Primary irritant effect
  on the skin: May be harmful if absorbed through skin. Causes skin burns.
  on the eye: Causes eye burns
Sensitization: No sensitizing effects known.

SECTION XII – ECOLOGICAL INFORMATION
Aquatic toxicity: No further relevant information available.
Persistence and degradability: No further relevant information available.
Behavior in environmental systems:
Bioaccumulative potential: No further relevant information available.
Additional ecological information:
General notes:
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Must not reach bodies of water or drainage ditch undiluted or un-neutralized

SECTION XIII – DISPOSAL_considerations

Waste treatment methods
Recommendation:
Must not be disposed of together with household garbage. Do not allow product to reach waterways or storm sewers. Disposal must be made in accordance with local, state and federal regulations.
Uncleaned packaging
Recommendation: Disposal must be made in accordance with local, state and federal regulations.
Recommended cleansing agent: Water, if necessary with cleansing agents.

SECTION XIV – TRANSPORT INFORMATION

UN-Number
DOT, ADN ADR, IMDG, IATA 1789
UN proper shipping name Hydrochloric Acid

Transport hazard class(es)
ADR, IMDG, IATA

Class 8 Corrosive substances
Label 8

Packing group
DOT, ADR, IMDG, IATA Packing Group II

Environmental hazards:
Marine pollutant: No
Special precautions for user: Warning: Corrosive substances
Danger code (Kemler): 80
EMS Number: F-A,S-B
Segregation groups: Acids
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.
SECTION XV – OTHER REGULATORY INFORMATION

OSHA Hazards
Corrosive

DSL Status
All components of this product are on the Canadian DSL list.

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

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Massachusetts Right To Know Components

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California Prop. 65 Components
This product contains chemicals known to State of California to cause cancer and birth defects or other reproductive harm. Some colors contain Chromium (VI).

SECTION XVI – OTHER INFORMATION

Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
ACGIH: American Conference of Governmental Industrial Hygienists
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)

Last Updated: September 16, 2013
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