

QUIKRETE**CEMENT & CONCRETE PRODUCTS™**

Concrete Cleaners

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 30329

Emergency Telephone Number
(770) 216-9580
Information Telephone Number
(770) 216-9580

MSDS Y2
Revision: Jun-13

<u>QUIKRETE® Product Name</u>	<u>Code #</u>
QUIKRETE® Cleaner, Etcher & Degreaser	8375-34
QUIKRETE® Efflorescence & Rust Remover	8765-33

Product Use: Chemical cleaners for concrete, asphalt, and masonry surfaces

SECTION II - HAZARD IDENTIFICATION

Hazard pictograms GHS05, GHS07

Signal word Danger

Hazard-determining components of labeling: Mineral Acid Salt of Organic Amide

Classification of the substance or mixture



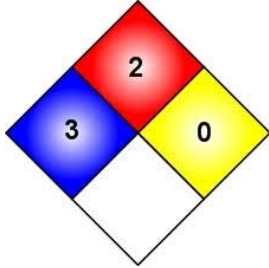
GHS05 Corrosion
H314 Causes severe skin burns and eye damage.



GHS07 Irritant
H302 Harmful if swallowed.
H319 Causes serious eye irritation.
H227 Combustible liquid.

CEMENT & CONCRETE PRODUCTS™**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 = 2, Reactivity = 0

Hazard statements Combustible liquid. Harmful if swallowed. Causes severe skin burns and eye damage.

Precautionary statements

- P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. doctor/physician.
P501 Dispose of contents/container to an approved waste disposal plant.

SECTION III - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components	%	CAS No.
Mineral Acid Salt of Organic Amide	25-50%	not available
Water	50-75%	7789-20-0

SECTION IV – First Aid Measures

General information:

Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

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.


CEMENT & CONCRETE PRODUCTS™

After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor. Call a doctor immediately. Remove contact lenses, if present. Hold eyelids apart and flush with water for at least 15 minutes.

After swallowing: Immediately call a doctor. Drink copious amounts of water and provide fresh air. Immediately call a doctor.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

Suitable extinguishing agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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: May be combustible at high temperature

Auto-Ignition Temperature: Not available

Flash Points: 78°C (172°F)

Products of Combustion: These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂)

Fire Hazards in Presence of Various Substances: Slightly flammable to flammable in presence of heat. Non-flammable in presence of shocks

Explosion Hazards in Presence of Various Substances: Slightly explosive in presence of open flames and sparks. Non-explosive in presence of shocks

Special Remarks on Fire Hazards: When heated to decomposition it emits toxic and irritating fumes of Hydrogen chloride, carbon monoxide, carbon dioxide, nitrogen oxides, and ammonia.

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, universal binders, sawdust). 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. Prevent formation of aerosols or mists. Avoid contact with aluminum and other metals.

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


CEMENT & CONCRETE PRODUCTS™
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

Additional information about design of technical systems: No further data; see item 7.

Components with limit values that require monitoring at the workplace:

CAS 34590-94-8 (2-methoxymethylethoxy) propanol

PEL 600 mg/m³, 100 ppm Skin

REL Short-term value: 900 mg/m³, 150 ppm

Long-term value: 600 mg/m³, 100 ppm

Skin

TLV Short-term value: 909 mg/m³, 150 ppm

Long-term value: 606 mg/m³, 100 ppm

Skin

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



CEMENT & CONCRETE PRODUCTS™

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

General Information

Appearance	Form: Liquid Color: Yellow Odor: Mild
pH-value at 20°C (68 °F):	< 2
Boiling point/Boiling range:	100°C (212 °F)
Flash point:	78°C (172 °F)
Auto igniting:	Product is not self-igniting.
Vapor pressure at 20°C (68°F)	23 hPa (17 mm Hg)
Density at 20°C (68 °F):	1.24 g/cm ³ (10.348 lbs/gal)
Solubility in / Miscibility with Water:	Fully miscible.
VOC content:	5.0 %

SECTION X - REACTIVITY DATA

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known

SECTION XI – TOXICOLOGICAL INFORMATION

Acute toxicity:**Primary irritant effect**

on the skin: Caustic effect on skin and mucous membranes.

on the eye: Strong caustic effect.

Sensitization: No sensitizing effects known.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

Corrosive

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach

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.

**CEMENT & CONCRETE PRODUCTS™****Additional ecological information:****General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

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

Void

ADR, IMDG, IATA

UN3265

UN proper shipping name

DOT, ADN

Void

ADR

3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Urea Hydrochloride)

IMDG, IATA

CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Urea Hydrochloride)

Transport hazard class(es)

DOT, ADN

Class

Void

ADR



Class

8 Corrosive substances

Label

8

IMDG, IATA

Class

8 Corrosive substances

Label

8

Packing group

**CEMENT & CONCRETE PRODUCTS™**

DOT Void
ADR, IMDG, IATA III

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.

Transport/Additional information:

DOT

Remarks: Corrosive to aluminum, Excepted per 49 CFR 173.154(d)(1).

UN "Model Regulation": UN3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Urea Hydrochloride), 8, III

SECTION XV – OTHER REGULATORY INFORMATION

Section 355 (Extremely Hazardous Substances): No ingredient above de minimis level is listed.

Section 313 (Toxic Chemical listings): No ingredient above de minimis level is listed.

TSCA (Toxic Substances Control Act): All components of this material are on the US TSCA Inventory or are exempt.

Carcinogen categories

EPA (Environmental Protection Agency): No ingredient above de minimis level is listed.

IARC (International Agency for Research on Cancer): No ingredient above de minimis level is listed.

NTP (National Toxicology Program): No ingredient above de minimis level is listed.

TLV (Threshold Limit Value established by ACGIH): No ingredient above de minimis level is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health): No ingredient above de minimis level is listed.

OSHA-Ca (Occupational Safety & Health Administration): No ingredient above de minimis level is listed.

GHS label elements: The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms GHS05, GHS07

Signal word Danger

Hazard-determining components of labeling: Mineral Acid Salt of Organic Amide

Hazard statements

Combustible liquid.

Harmful if swallowed.

Causes severe skin burns and eye damage.

**CEMENT & CONCRETE PRODUCTS™****Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

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: June 5, 2013

NOTE: The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products. End of SDS.