



L4: Concrete Cleaners

SAFETY DATA SHEET (Complies with OSHA 29 CFR 1910.1200)

SECTION I: PRODUCT IDENTIFICATION

The QUIKRETE® Companies
One Securities Centre
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Atlanta, GA 30329

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

SDS L4

Revision: May-15

QUIKRETE® Product Name
QUIKRETE® Efflorescence & Rust Remover

Code #
8675-33

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

SECTION II - HAZARD IDENTIFICATION

Hazard-determining components of labeling:

2.1 Classification of the substance or mixture

Skin Corrosion – Category 1
Serious Eye Damage – Category 1
Acute Toxicity – Oral – Category 4

2.2a Signal word DANGER!

2.2b Hazard Statements

Causes severe skin burns and serious eye damage
Harmful if swallowed

2.2c Pictograms



2.2d Precautionary statements

Do not handle until all safety precautions have been read and understood.
Wear protective gloves, eye protection, and protective clothing.



Do not eat, drink or smoke when using this product.
Wash thoroughly after handling.
Use only in a well-ventilated area.
Do not breathe fumes.

If swallowed: Rinse mouth. Do NOT induce vomiting.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If on skin (or hair): Remove immediately all contaminated clothing and wash before re-use. Rinse skin or hair with water.
If significant skin irritation or rash occurs: get medical advice or attention.

Immediately seek medical advice or attention if symptoms are significant or persist.

Store in a well-ventilated place. Keep container tightly closed.
Dispose of contents/containers in accordance with all regulations.

2.3 Additional Information

2.3a HNO3 – Hazards not otherwise classified: Not applicable

2.3b Unknown Acute Toxicity: None

2.3C WHMIS Classification

Class D2B – Skin/Eye Irritant
Class E – Corrosive Material

2.3d Label Elements According To WHMIS

Hazard Symbols



Signal Word

DANGER!

SECTION III - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<u>Hazardous Components</u>	<u>CAS No.</u>	<u>% by Weight</u>
Water	7732-18-5	70-90
Mineral Salt of an Organic Amide	506-89-8	20-40

*The concentrations ranges are provided due to batch-to-batch variability.
None of the constituents of this mixture are of unknown acute toxicity.



SECTION IV – FIRST AID MEASURES

4.1 Description of the first-aid measures

General information:

After inhalation: Remove person to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. In case of unconsciousness, place patient stably in side position for transportation.

After skin contact: Wash skin with cool water and pH-neutral soap or a mild detergent. If significant skin irritation or rash occurs: get medical advice or attention.

After eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

After swallowing: Do not induce vomiting. If conscious, have the victim drink plenty of water and call a physician immediately. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms/effects, acute and delayed

Inhalation: None known

Skin contact: Causes serious skin burns.

Eye Contact: Causes serious eye damage.

Ingestion: Harmful if swallowed.

4.3 Indication of immediate medical attention and special treatment needed:

Immediately seek medical advice or attention if symptoms are significant or persist.

SECTION V - FIRE FIGHTING MEASURES

5.1 Flammability of the Product: Product does not support combustion.

5.2 Suitable extinguishing agents: Treat for surrounding material

5.3 Special hazards arising from the substance or mixture: Dried product is capable of burning. Combustion products are toxic. Contact with metals may evolve flammable hydrogen gas. Heating above 230 °F results in an exothermic decomposition with rapid release of carbon dioxide gas.

5.3a Products of Combustion: May include CO, CO₂ and other toxic gases or vapors.

5.3b Explosion Hazards in Presence of Various Substances: Non-explosive in presence of shocks

SECTION VI – ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures: Avoid contact with skin, eyes or clothing. Wear personal protective equipment (See section VIII). Keep unprotected persons away.

6.2 Methods and material for containment and cleaning up:



Do not allow to enter sewers/ surface or ground water. Dispose of unwanted materials and containers properly in accordance with all regulations.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND STORAGE

7.1 Handling

Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace. Wear appropriate PPE (See section 8). Do not mix with other chemical products, except as indicated by the manufacturer. Do not get in eyes, on skin or clothing

7.2 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 out of the reach of children. Keep container tightly closed.

SECTION VIII – EXPOSURE CONTROL MEASURES / PERSONAL PROTECTION

8.1 Components with limit values that require monitoring at the workplace:

Hazardous Components	CAS No.	PEL (OSHA) mg/M ³	TLV (ACGIH) mg/M ³
None			

8.2 Exposure Controls

Use ventilation adequate to keep exposures below recommended exposure limits.

8.3 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.

8.3a Personal protective equipment

Protection of hands:

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:

Wear approved eye protection - properly fitted splash-proof chemical safety glasses.

Respiratory protection:

Not required with expected use.

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

General Information



Appearance	Form: Liquid Color: Pale yellow Odor: None
pH-value at 20°C (68 °F):	<1 (10%)
Boiling point/Boiling range:	100 °C (212 °F)
Flash point:	> 100 °C (>212 °F)
Auto igniting:	Product is not self-igniting
Vapor pressure at 21°C (70°F)	Not available
Density at 25°C (77 °F):	1.17

Solubility in / Miscibility with

Water:	Soluble
VOC content:	0 g/L VOC

SECTION X – STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal storage conditions.

10.3 Possibility of hazardous reaction

Contact with hypochlorites releases chlorine gas. Contact with aluminum or other reactive metals may release hydrogen gas.

10.4 Thermal decomposition / conditions to be avoided

Extremes of temperature and direct sunlight.

10.5 Incompatible materials

Sodium hypochlorite (or other hypochlorites). Reactive metals such as aluminum, zinc and tin.

10.6 Hazardous Decomposition or By-products

May include CO, CO₂ and other toxic gases or vapors

SECTION XI – TOXICOLOGICAL INFORMATION

11.1 Exposure Routes: Skin contact, eye contact, inhalation, or ingestion.

11.2 Symptoms related to physical/chemical/toxicological characteristics:

Skin contact: Pain, redness, blistering, and possible chemical burn.

Eye Contact: Causes serious eye damage. Symptoms may include discomfort or pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage.

Inhalation: Nasal discomfort and coughing. Irritation or damage to the mucus membranes of the respiratory tract.

Ingestion: Harmful if swallowed. Ingestion may cause pain, nausea, vomiting and diarrhea. Damage or chemical burns to mouth, throat and stomach.



11.3 Delayed, immediate and chronic effects of short-term and long-term exposure Short Term

Skin Corrosion/Irritation: Causes severe skin burns.
Serious Eye Damage/Irritation: Causes serious eye damage.
Respiratory Sensitization: Not available
Skin Sensitization: Not Available
Aspiration Hazard: Not available

Long Term

Carcinogenicity: Not available
Germ Cell Mutagenicity: Not available
Reproductive Toxicity: Not available
Synergistic/Antagonistic Effects: Not available.

SECTION XII – ECOLOGICAL INFORMATION

12.1 Ecotoxicity

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

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential:

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Other Adverse Effects

No further relevant information available.

SECTION XIII – DISPOSAL CONSIDERATIONS

13.1 Waste Disposal Method

This product is classified as a hazardous waste under the authority of the RCRA (40CFR 261) or CERCLA (40CFR 117&302). Disposal must be made in accordance with local, state and federal regulations. US EPA Waste Number D002.

13.2 Other disposal considerations

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

DOT (U.S.)

TDG (Canada)



UN-Number	Not Regulated	UN1760
UN proper shipping name	Not Regulated	Corrosive Liquid, N.O.S.
Transport Hazard Class(es)	Not Regulated	8
Packing Group (if applicable)	Not Regulated	II

14.1 Environmental hazards:

Not Available

14.2 Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code

Not available

14.3 Special precautions for user

Do not handle until all safety precautions have been read and understood.

SECTION XV – OTHER REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislations specific for the chemical

Canada

WHMIS Classification: Considered to be a D2A and D2B hazardous material under the Hazardous Products Act as defined by the Controlled Products Regulations and subject to the requirements of Health Canada's Workplace Hazardous Material Information (WHMIS). This document complies with the WHMIS requirements of the Hazardous Products Act (HPA) and the CPR.

15.2 US Federal Information

SARA 302/311/312/313 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302, 311, 312 or 313.

15.3 State Right to Know Laws

California Prop. 65 Components

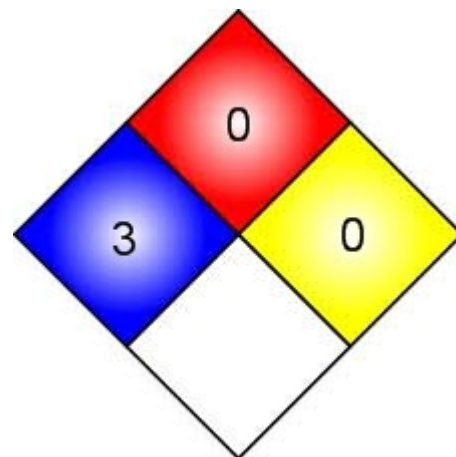
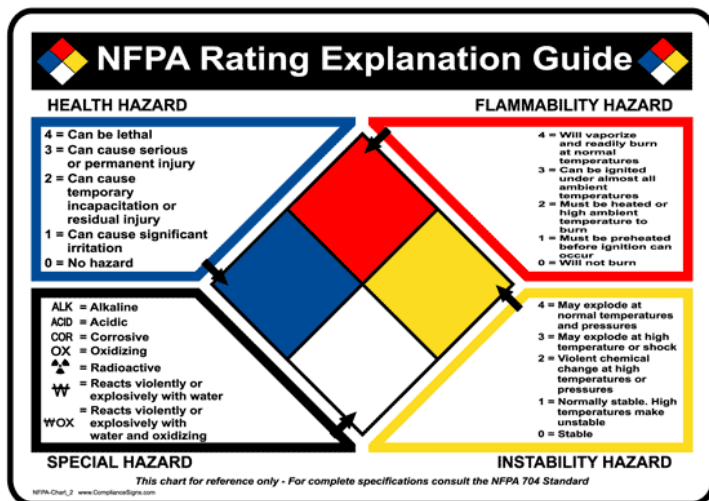
WARNING: This product does not contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

15.4 Global Inventories

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

TSCA No.: All constituents are listed in the TSCA inventory.

15.5 NFPA Ratings



SECTION XVI – OTHER INFORMATION

Last Updated: May 20, 2015

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.

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End of SDS