1 Identification

Product identifier
Trade name: Seal-Krete Clean-n-Etch
Article number: 411000

Recommended use and restriction on use
Recommended use: Cleaning and Etching Concrete
Restrictions on use: See Sections 8 and 10 for further information.

Details of the supplier of the Safety Data Sheet
Manufacturer/Supplier:
Seal-Krete / Clayton Corporation
306 Gandy Road
Auburndale, FL 33823
Phone: 863-967-1535
Toll-Free: 1-800-323-7357

Emergency telephone number:
ChemTel Inc.
(800)255-3924, +1 (813)248-0585

2 Hazard(s) identification

Classification of the substance or mixture

⚠ GHS05 Corrosion

Skin Corr. 1B  H314  Causes severe skin burns and eye damage.

Additional information:
There are no other hazards not otherwise classified that have been identified.
0 percent of the mixture consists of ingredient(s) of unknown toxicity.

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

⚠ GHS05

Signal word Danger

Hazard-determining components of labeling:
Urea Hydrochloride

Hazard statements
H314 Causes severe skin burns and eye damage.

Precautionary statements
P260  Do not breathe mist/vapours/spray.
P264  Wash thoroughly after handling.
P280  Wear protective gloves/protective clothing/eye protection/face protection.

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**Trade name: Seal-Krete Clean-n-Etch**

(Contd. of page 1)

- **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.
- **P310** Immediately call a poison center/doctor.
- **P304+P340 IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- **P363** Wash contaminated clothing before reuse.
- **P301+P330+P331 If swallowed:** Rinse mouth. Do NOT induce vomiting.
- **P405** Store locked up.
- **P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard description:**

WHMIS-symbols:
- D1B - Toxic material causing immediate and serious toxic effects
- D2B - Toxic material causing other toxic effects
- E - Corrosive material

**Classification system:**

**NFPA ratings (scale 0 - 4)**
- Health = 3
- Fire = 0
- Reactivity = 0

**HMIS-ratings (scale 0 - 4)**
- Health = 3
- Fire = 0
- Reactivity = 0

**Other hazards**

Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

### 3 Composition/information on ingredients

**Chemical characterization: Mixtures**

**Description:** Mixture of the substances listed below with nonhazardous additions.

**Dangerous components:**

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS Number</th>
<th>Description</th>
<th>Skin Corr.</th>
<th>Acute Tox.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urea Hydrochloride</td>
<td>506-89-8</td>
<td></td>
<td>1B, H314</td>
<td>4, H302</td>
</tr>
</tbody>
</table>

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Additional information: 
For the listed ingredients, the identity and exact percentages are being withheld as a trade secret.

4 First-aid measures

Description of 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 irregular breathing or respiratory arrest provide artificial respiration.
Supply fresh air; consult doctor in case of complaints.
After skin contact: 
Immediately rinse with water.
Clean with water and soap.
If skin irritation continues, consult a doctor.
After eye contact: 
Remove contact lenses if worn, if possible.
Rinse opened eye for several minutes under running water. Then consult a doctor.
After swallowing: 
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; immediately call for medical help.
Information for doctor:
Most important symptoms and effects, both acute and delayed
Nausea
Cramp
Coughing
Breathing difficulty
Dizziness
Danger Danger of gastric perforation.
Indication of any immediate medical attention and special treatment needed 
Medical supervision for at least 48 hours.
If necessary oxygen respiration treatment.
In cases of irritation to the lungs, initial treatment with cortical steroid inhalants.

5 Fire-fighting measures

Extinguishing media
Suitable extinguishing agents: Use fire fighting measures that suit the environment.
For safety reasons unsuitable extinguishing agents: None.
Special hazards arising from the substance or mixture
Formation of toxic gases is possible during heating or in case of fire.
Advice for firefighters
Protective equipment:
Wear self-contained respiratory protective device.
Wear fully protective suit.

(Contd. on page 4)
6 Accidental release measures

Personal precautions, protective equipment and emergency procedures
Use respiratory protective device against the effects of fumes/dust/aerosol.
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation.
Environmental precautions:
Do not allow to enter sewers/surface or ground water.
Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of water.
Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
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.

7 Handling and storage

Handling:
Precautions for safe handling
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles:
Store in a cool location.
Avoid storage near extreme heat, ignition sources or open flame.
Unsafe material for receptacle: steel.
Unsafe material for receptacle: aluminium.
Provide ventilation for receptacles.
Information about storage in one common storage facility:
Store away from foodstuffs.
Do not store together with alcalis (caustic solutions).
Store away from oxidizing agents.
Further information about storage conditions:
Store in cool, dry conditions in well sealed receptacles.
Store receptacle in a well ventilated area.
Keep containers tightly sealed.
Specific end use(s) No further relevant information available.
8 Exposure controls/personal protection

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

Control parameters
Components with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional Occupational Exposure Limit Values for possible hazards during processing:
Limits for components as gases:
Additional information: The lists that were valid during the creation were used as basis.

Exposure controls
Personal protective equipment:
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.
Do not inhale gases / fumes / aerosols.

Engineering controls: No further relevant information available.

Breathing equipment:
For spills, respiratory protection may be advisable.
Use suitable respiratory protective device when aerosol or mist is formed.
Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:
Contact lenses should not be worn.

Safety glasses

Body protection: Acid resistant protective clothing
9 Physical and chemical properties

Information on basic physical and chemical properties
General Information
Appearance:
  Form: Liquid
  Color: Yellow
  Odor: Characteristic
  Odor threshold: Not determined.
  pH-value at 20 °C (68 °F): 0.7

Change in condition
  Melting point/Melting range: Undetermined.
  Boiling point/Boiling range: >100 °C (>212 °F)

Flash point: Not applicable.
Flammability (solid, gaseous): Not applicable.
Auto-ignition temperature: Not determined.
Decomposition temperature: Not determined.
Auto igniting: Product is not self-igniting.
Danger of explosion: Product does not present an explosion hazard.

Explosion limits:
  Lower: Not determined.
  Upper: Not determined.
Oxidizing properties Not determined.
Vapor pressure: Not determined.
Density at 20 °C (68 °F): 1.07 g/cm³ (8.929 lbs/gal) (8.93 lb/gal)
Relative density Not determined.
Vapour density Not determined.
Evaporation rate Not determined.
Solubility in / Miscibility with
  Water: Fully miscible.
Partition coefficient (n-octanol/water): Not determined.
Viscosity:
  Dynamic: Not determined.
  Kinematic: Not determined.
**10 Stability and reactivity**

**Reactivity**

**Chemical stability**

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

**Possibility of hazardous reactions**
- Reacts with acids, alkalis and oxidizing agents.
- Toxic fumes may be released if heated above the decomposition point.
- Develops corrosive gases / fumes.
- Develops toxic gases / fumes.
- Corrodes aluminium.
- Corrodes copper and brass.
- Reacts with many consumer products, releasing chlorine or chlorine oxide gas.

**Conditions to avoid**
No further relevant information available.

**Incompatible materials:**
Caution! Do not use in conjunction with other products. Dangerous gases (chlorine) may be given off.

**Hazardous decomposition products:**
- Carbon monoxide and carbon dioxide
- Corrosive gases/vapors
- Poisonous gases/vapors
- Hydrocarbons
- Nitrogen oxides
- Hydrogen chloride (HCl)

**11 Toxicological information**

**Information on toxicological effects**

**Acute toxicity:**

**LD/LC50 values that are relevant for classification:**

<table>
<thead>
<tr>
<th>506-89-8 Urea Hydrochloride</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
</tr>
</tbody>
</table>

**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:**
- Harmful
- Corrosive
- Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.
Carcinogenic categories

<table>
<thead>
<tr>
<th>NTP (National Toxicology Program)</th>
<th>None of the ingredients is listed.</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA-Ca (Occupational Safety &amp; Health Administration)</td>
<td>None of the ingredients is listed.</td>
</tr>
</tbody>
</table>

Probable Routes of Exposure
- Ingestion.
- Inhalation.
- Eye contact.
- Skin contact.

Acute effects (acute toxicity, irritation and corrosivity): May be harmful if swallowed.
Repeated Dose Toxicity: No further relevant information available.
CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.
STOT-single exposure Based on available data, the classification criteria are not met.
STOT-repeated exposure Based on available data, the classification criteria are not met.
Aspiration hazard Based on available data, the classification criteria are not met.

12 Ecological information

Toxicity

Aquatic toxicity:
- 506-89-8 Urea Hydrochloride
- EC50 70-100 mg/kg (daphnia)

Persistence and degradability No further relevant information available.
Behavior in environmental systems:
- Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
Ecotoxic effects:
- Remark: Harmful to fish

Additional ecological information:
General notes:
This statement was deduced from the properties of the single components.
Due to available data on eliminability/decomposition and bioaccumulation potential a prolonged damage of the environment is unlikely.
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 unneutralized.
Harmful to aquatic organisms
Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.
13 Disposal considerations

Waste treatment methods
Recommendation:
Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Can be disposed of with household garbage with prior chemical-physical or biological treatment following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

Uncleaned packagings:
Recommendation: Disposal must be made according to official regulations.
Recommended cleansing agent: Water only.

14 Transport information

UN-Number
DOT, ADR, IMDG, IATA UN3264
UN proper shipping name

⚠ Limited Quantity for packages less than 30 kg (66 lb) and inner packagings less than 5 L (1.3 gal).

DOT, IMDG, IATA CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Urea Hydrochloride)
ADR 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Urea Hydrochloride)

Transport hazard class(es)

DOT

Class 8 Corrosive substances
Label 8

ADR

Class 8 (C1) Corrosive substances

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Trade name: Seal-Krete Clean-n-Etch

IMDG, IATA

Class 8 Corrosive substances
Label 8
Packing group DOT, ADR, IMDG, IATA III
Environmental hazards: No
Marine pollutant: Warning: Corrosive substances
Special precautions for user 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.
UN “Model Regulation”: UN3264, Corrosive liquid, acidic, inorganic, n.o.s. (Urea Hydrochloride), 8, III

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture
United States (USA)
SARA

Section 355 (extremely hazardous substances):
None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):
None of the ingredients are listed.

TSCA (Toxic Substances Control Act):
All ingredients are listed.

Proposition 65 (California)

Chemicals known to cause cancer:
None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females:
None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.

Chemicals known to cause developmental toxicity:
None of the ingredients is listed.
Safety Data Sheet
acc. to OSHA HCS (29 CFR 1910.1200)

Printing date 06/25/2015  
Reviewed on 06/25/2015

**Trade name:** Seal-Krete Clean-n-Etch

**Carcinogenic categories**

<table>
<thead>
<tr>
<th>Agency</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPA (Environmental Protection Agency)</td>
<td>None of the ingredients is listed.</td>
</tr>
<tr>
<td>IARC (International Agency for Research on Cancer)</td>
<td>None of the ingredients is listed.</td>
</tr>
<tr>
<td>TLV (Threshold Limit Value established by ACGIH)</td>
<td>None of the ingredients is listed.</td>
</tr>
<tr>
<td>NIOSH-Ca (National Institute for Occupational Safety and Health)</td>
<td>None of the ingredients is listed.</td>
</tr>
</tbody>
</table>

**State Right to Know Listings**

None of the ingredients is listed.

**Canadian substance listings:**

<table>
<thead>
<tr>
<th>List</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canadian Domestic Substances List (DSL)</td>
<td>All ingredients are listed.</td>
</tr>
<tr>
<td>Canadian Ingredient Disclosure list (limit 0.1%)</td>
<td>None of the ingredients is listed.</td>
</tr>
<tr>
<td>Canadian Ingredient Disclosure list (limit 1%)</td>
<td>None of the ingredients is listed.</td>
</tr>
</tbody>
</table>

**Other regulations, limitations and prohibitive regulations**

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Date of preparation / last revision** 06/25/2015 / -

**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)  
IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
ACGIH: American Conference of Governmental Industrial Hygienists  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
WHMIS: Workplace Hazardous Materials Information System (Canada)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
Acute Tox. 4: Acute toxicity. Hazard Category 4  
Skin Corr. 1B: Skin corrosion/irritation. Hazard Category 1B

(Contd. on page 12)
## Trade name: Seal-Krete Clean-n-Etch

### Sources
SDS Prepared by:
ChemTel Inc.
1305 North Florida Avenue
Tampa, Florida USA 33602-2902
Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573
Website: www.chemtelinc.com

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