1 Identification

- Product identifier
- Trade name: CreteStrip
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
  Curecrete Chemical Company
  1203 W. Spring Creek Place
  SPRINGVILLE, UT 84663
  USA
  techsupport@curecrete.com
  (801) 489-5663
- Information department: Technical Services
- Emergency telephone number:
  (800) 633-8253 (United States/Canada)
  International Emergency Number: +1 (801) 629-0667

2 Hazard(s) identification

- Classification of the substance or mixture
  - GHS02 Flame
  Flam. Liq. 3  H226 Flammable liquid and vapor.
  - GHS07
  Skin Irrit. 2  H315 Causes skin irritation.
  Skin Sens. 1  H317 May cause an allergic skin reaction.

- Label elements
- GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).
- Hazard pictograms
  - GHS02  GHS07

- Signal word Warning
- Hazard-determining components of labeling:
  - d-limonene
- Hazard statements
  Flammable liquid and vapor.
  Causes skin irritation.
  May cause an allergic skin reaction.
Precautionary statements
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing must not be allowed out of the workplace.
Ground/bond container and receiving equipment.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Take precautionary measures against static discharge.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Wash thoroughly after handling.
Wear protective gloves / eye protection / face protection.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
If skin irritation or rash occurs: Get medical advice/attention.
In case of fire: Use for extinction: CO2, powder or water spray.
Specific treatment (see on this label).
Take off contaminated clothing and wash it before reuse.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system:
NFPA ratings (scale 0 - 4)
- Health = 1
- Fire = 2
- Reactivity = 0

HMIS-ratings (scale 0 - 4)
- Health = 1
- Fire = 2
- Reactivity = 0

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

Composition/information on ingredients
Chemical characterization: Mixtures
Description: Mixture of the substances listed below with nonhazardous additions.

Dangerous components:
5989-27-5 d-limonene 71.0%
106-65-0 dimethyl succinate 4.1%

First-aid measures
Description of first aid measures
After inhalation:
Supply fresh air and to be sure call for a doctor.
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.
After swallowing: If symptoms persist consult doctor.
Trade name: CreteStrip

41.1.4
· Information for doctor:
  · Most important symptoms and effects, both acute and delayed: No further relevant information available.
  · Indication of any immediate medical attention and special treatment needed: No further relevant information available.

5 Fire-fighting measures
· Extinguishing media
  · Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water.
  · For safety reasons unsuitable extinguishing agents: Water with full jet

· Special hazards arising from the substance or mixture: No further relevant information available.

· Advice for firefighters
  · Protective equipment: No special measures required.

6 Accidental release measures
· Personal precautions, protective equipment and emergency procedures
  Wear protective equipment. Keep unprotected persons away.

· Environmental precautions:
  Do not allow product to reach sewage system or any water course.
  Inform respective authorities in case of seepage into water course or sewage system.
  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).
  Ensure adequate ventilation.
  Do not flush with water or aqueous cleansing agents

· 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:
  Keep ignition sources away - Do not smoke.
  Protect against electrostatic charges.

· Conditions for safe storage, including any incompatibilities

· 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.

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 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 skin.
Avoid contact with the eyes and skin.

Breathing equipment:
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

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:

Tightly sealed goggles

9 Physical and chemical properties
Information on basic physical and chemical properties
General Information
Appearance:
Form: Fluid
Color: According to product specification
Odor: Characteristic
Odour threshold: Not determined.

pH-value at 20 °C (68 °F): 7.2

Change in condition
Melting point/Melting range: Undetermined.
Boiling point/Boiling range: 93 °C (199 °F)

- Flash point: 46 °C (115 °F)
- Flammability (solid, gaseous): Not applicable.
- Ignition temperature: 255 °C (491 °F)
- Decomposition temperature: Not determined.
- Auto igniting: Product is not selfigniting.
- Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

- Explosion limits:
  - Lower: 0.7 Vol %
  - Upper: 6.1 Vol %
- Vapor pressure at 20 °C (68 °F): 2.3 hPa (2 mm Hg)
- Density at 20 °C (68 °F): 0.87 g/cm³ (7.26 lbs/gal)
- Relative density: Not determined.
- Vapour density: Not determined.
- Evaporation rate: Not determined.
- Solubility in / Miscibility with Water: Not miscible or difficult to mix.
- Partition coefficient (n-octanol/water): Not determined.
- Viscosity:
  - Dynamic: Not determined.
  - Kinematic: Not determined.
- Solvent content:
  - Organic solvents: 71.0 %
  - VOC content: 71.0 %
  - 710.1 g/l / 5.93 lb/gl
- Other information: No further relevant information available.

10 Stability and reactivity
- Reactivity: No further relevant information available.
- Chemical stability
  - Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions: No dangerous reactions known.
- Conditions to avoid: No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information
- Information on toxicological effects
- Acute toxicity:
  - LD/LC50 values that are relevant for classification:
    - 5989-27-5 d-limonene
      - Oral LD50 4400 mg/kg (rat)
Trade name: CreteStrip

- **Primary irritant effect:**
  - on the skin: Irritant to skin and mucous membranes.
  - on the eye: No irritating effect.
  - Sensitization: Sensitization possible through skin contact.

- **Additional toxicological information:**
  The product shows the following dangers according to internally approved calculation methods for preparations:
  - Irritant

- **Carcinogenic categories**
  - IARC (International Agency for Research on Cancer)
    - 5989-27-5 d-limonene: 3
    - 75-21-8 ethylene oxide: 1
    - 123-91-1 1,4-dioxane: 2B
  - NTP (National Toxicology Program)
    - 75-21-8 ethylene oxide: K
    - 123-91-1 1,4-dioxane: R
  - OSHA-Ca (Occupational Safety & Health Administration)
    - 75-21-8 ethylene oxide

12 Ecological information

- **Toxicity**
  - 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.
  - Mobility in soil: No further relevant information available.

- **Ecotoxicological effects:**
  - Remark: Very toxic for fish

- **Additional ecological information:**

  - General notes:
    Water hazard class 2 (Self-assessment): hazardous for water
    Do not allow product to reach ground water, water course or sewage system.
    Danger to drinking water if even small quantities leak into the ground.
    Also poisonous for fish and plankton in water bodies.
    Very toxic for aquatic organisms

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

  - Other adverse effects: No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
  - Recommendation:
    Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packagings**
  - Recommendation: Disposal must be made according to official regulations.
## 14 Transport information

<table>
<thead>
<tr>
<th>DOT, IMDG, IATA</th>
<th>UN1993</th>
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- **UN-number**: UN1993
- **DOT proper shipping name**: Flammable liquids, n.o.s. (Dipentene)
- **IMDG proper shipping name**: FLAMMABLE LIQUID, N.O.S. (DIPENTENE), MARINE POLLUTANT
- **IATA proper shipping name**: FLAMMABLE LIQUID, N.O.S. (DIPENTENE)

### Class:
- **DOT**: 3 Flammable liquids
- **IMDG**: 3 Flammable liquids
- **IATA**: 3 Flammable liquids

### Label:
- **DOT**: 3
- **IMDG**: 3
- **IATA**: 3

### Packing group:
- **DOT, IMDG, IATA**: III

### Environmental hazards:
- **Product contains environmentally hazardous substances**: d-limonene
- **Marine pollutant**: Yes

### Special precautions for user:
- **Warning**: Flammable liquids
- **Danger code (Kemler)**: 30
- **EMS Number**: F-E, S-E
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**: Not applicable.

### Transport/Additional information:

- **DOT**
  - **Quantity limitations**: On passenger aircraft/rail: 60 L
  - **Remarks**: Special marking with the symbol (fish and tree).

- **IMDG**
  - **Limited quantities (LQ)**: 5L
Trade name: CreteStrip

- Excepted quantities (EQ)
  Code: E1
  Maximum net quantity per inner packaging: 30 ml
  Maximum net quantity per outer packaging: 1000 ml
- UN "Model Regulation":
  UN1993, Flammable liquids, n.o.s. (Dipentene), ENVIRONMENTALLY HAZARDOUS, 3, III

15 Regulatory information
- Safety, health and environmental regulations/legislation specific for the substance or mixture
  - Sara
  - Section 355 (extremely hazardous substances):
    75-21-8 ethylene oxide
  - Section 313 (Specific toxic chemical listings):
    75-21-8 ethylene oxide
    123-91-1 1,4-dioxane
  - TSCA (Toxic Substances Control Act):
    All ingredients are listed.
  - Proposition 65
  - Chemicals known to cause cancer:
    75-21-8 ethylene oxide
    123-91-1 1,4-dioxane
  - Chemicals known to cause reproductive toxicity for females:
    75-21-8 ethylene oxide
  - Chemicals known to cause reproductive toxicity for males:
    75-21-8 ethylene oxide
  - Chemicals known to cause developmental toxicity:
    75-21-8 ethylene oxide
- Carcinogenic categories
  - EPA (Environmental Protection Agency)
    123-91-1 1,4-dioxane: L
  - TLV (Threshold Limit Value established by ACGIH)
    75-21-8 ethylene oxide: A2
    123-91-1 1,4-dioxane: A3
  - NIOSH-Ca (National Institute for Occupational Safety and Health)
    75-21-8 ethylene oxide
    123-91-1 1,4-dioxane
- GHS label elements
  The product is classified and labeled according to the Globally Harmonized System (GHS).
- Hazard pictograms
  ![GHS02]
  ![GHS07]
  - Signal word Warning
  - Hazard-determining components of labeling:
    d-limonene
  - Hazard statements
    Flammable liquid and vapor.
Trade name: CreteStrip

Causes skin irritation.
May cause an allergic skin reaction.

**Precautionary statements**
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Contaminated work clothing must not be allowed out of the workplace.
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Take precautionary measures against static discharge.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Wash thoroughly after handling.
Wear protective gloves / eye protection / face protection.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
If skin irritation or rash occurs: Get medical advice/attention.
In case of fire: Use for extinction: CO2, powder or water spray.
Specific treatment (see on this label).
Take off contaminated clothing and wash it before reuse.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulations.

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

**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.

**Department issuing SDS:** Technical Services
**Contact:** Dave Hoyt
**Date of preparation / last revision** 07/21/2015 / -

**Abbreviations and acronyms:**
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)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 3: Flammable liquids, Hazard Category 3
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1