

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/14/2024

Reviewed on 02/14/2024

1 Identification

- **Product identifier**
- **Trade name:** CreteStrip
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier**
CureCrete
1203 Spring Creek Place
Springville, UT 84663

Tech Support (801) 489-5663
- **Information department:** Technical Services
- **Emergency telephone number:**
(800) 633-8253 (United States/Canada)
+1 (801) 629-0667 International Emergency Number

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flammable Liquids 3 H226 Flammable liquid and vapor.



GHS08 Health hazard

Aspiration Hazard 1 H304 May be fatal if swallowed and enters airways.



GHS07

Skin Irritation 2 H315 Causes skin irritation.

Sensitization - Skin 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



GHS08

- **Signal word** Danger

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- **Hazard-determining components of labeling:**

d-limonene

- **Hazard statements**

Flammable liquid and vapor.

Causes skin irritation.

May cause an allergic skin reaction.

May be fatal if swallowed and enters airways.

- **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.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

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

- **Dangerous components:**

CAS: 5989-27-5 d-limonene

>70-<80%

Nonylphenyl polyethylene glycol ether

>12-<13%

CAS: 106-65-0 dimethyl succinate

>4-<4.25%

- **Non-hazardous ingredients**

CAS: 1119-40-0 Pentanedioic acid, 1,5-dimethyl ester

>10-<11%

CAS: 627-93-0 dimethyl adipate

>4-<4.25%

4 First-aid measures

- **Description of first aid measures**

- **General information:** Immediately remove any clothing soiled by the product.

- **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.

- **Information for doctor:**

- **Most important symptoms and effects, both acute and delayed** No further relevant information available.

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- **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, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **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 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).
Dispose contaminated material as waste according to section 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.
- **Protective Action Criteria for Chemicals**
- **PAC-1:**
CAS: 5989-27-5 d-limonene: 15 ppm
Nonylphenyl polyethylene glycol ether: 30 mg/m³
CAS: 106-65-0 dimethyl succinate: 2.5 ppm
CAS: 75-21-8 ethylene oxide: 5 ppm
CAS: 123-91-1 1,4-dioxane: 17 ppm
- **PAC-2:**
CAS: 5989-27-5 d-limonene: 67 ppm
Nonylphenyl polyethylene glycol ether: 330 mg/m³
CAS: 106-65-0 dimethyl succinate: 28 ppm
CAS: 75-21-8 ethylene oxide: 45 ppm
CAS: 123-91-1 1,4-dioxane: 320 ppm
- **PAC-3:**
CAS: 5989-27-5 d-limonene: 170 ppm
Nonylphenyl polyethylene glycol ether: 2,000 mg/m³
CAS: 106-65-0 dimethyl succinate: 170 ppm
CAS: 75-21-8 ethylene oxide: 200 ppm
CAS: 123-91-1 1,4-dioxane: 760 ppm

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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 section 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.
- **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.

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· Eye protection:



Tightly sealed goggles

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form:

Fluid

Color:

Whitish

· Odor:

Solvent like

· Odor 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 (199.4 °F)

· Flash point:

46 °C (114.8 °F)

· Flammability (solid, gaseous):

Flammable.

· Auto igniting:

255 °C (491 °F)

· Decomposition temperature:

Not determined.

· Ignition temperature:

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 (1.7 mm Hg)

· Density at 20 °C (68 °F):

0.87 g/cm³ (7.26015 lbs/gal)

· Relative density

Not determined.

· Vapor 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:

71.01 %

617.8 g/l / 5.16 lb/gal

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· **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:**
CAS: 5989-27-5 d-limonene
 Oral LD50 4,400 mg/kg (rat)
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **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)**
 CAS: 5989-27-5 d-limonene: 3
 CAS: 75-21-8 ethylene oxide: 1
 CAS: 123-91-1 1,4-dioxane: 2B
- **NTP (National Toxicology Program)**
 CAS: 75-21-8 ethylene oxide: K
 CAS: 123-91-1 1,4-dioxane: R
- **OSHA-Ca (Occupational Safety & Health Administration)**
 CAS: 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.
- **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.

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- **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

- **UN-Number**
- **DOT, IMDG, IATA** UN2052
- **UN proper shipping name**
- **DOT** Dipentene mixture
- **IMDG** DIPENTENE mixture, MARINE POLLUTANT
- **IATA** DIPENTENE mixture
- **Transport hazard class(es)**

- **DOT**



- **Class** 3 Flammable liquids
- **Label** 3

- **IMDG**



- **Class** 3 Flammable liquids
- **Label** 3

- **IATA**



- **Class** 3 Flammable liquids
- **Label** 3
- **Packing group**
- **DOT, IMDG, IATA** III
- **Environmental hazards:** Product contains environmentally hazardous substances: d-limonene
- **Marine pollutant:** Symbol (fish and tree)
- **Special precautions for user** Warning: Flammable liquids
- **Hazard identification number (Kemler code):** 30
- **EMS Number:** F-E,S-E

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· Stowage Category	A
· 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 On cargo aircraft only: 220 L
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 2052 DIPENTENE MIXTURE, 3, III, ENVIRONMENTALLY HAZARDOUS

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.

· **Sara**

· **Section 355 (extremely hazardous substances):**

CAS: 75-21-8 ethylene oxide

· **Section 313 (Specific toxic chemical listings):**

Nonylphenyl polyethylene glycol ether

CAS: 75-21-8 ethylene oxide

CAS: 123-91-1 1,4-dioxane

· **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

· **Hazardous Air Pollutants**

CAS: 75-21-8 ethylene oxide

CAS: 123-91-1 1,4-dioxane

· **Proposition 65**

· **Chemicals known to cause cancer:**

CAS: 75-21-8 ethylene oxide

CAS: 123-91-1 1,4-dioxane

· **Chemicals known to cause reproductive toxicity for females:**

CAS: 75-21-8 ethylene oxide

· **Chemicals known to cause reproductive toxicity for males:**

CAS: 75-21-8 ethylene oxide

· **Chemicals known to cause developmental toxicity:**

CAS: 75-21-8 ethylene oxide

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

CAS: 75-21-8 ethylene oxide: CaH

CAS: 123-91-1 1,4-dioxane: L

· **TLV (Threshold Limit Value)**

CAS: 75-21-8 ethylene oxide: A2

CAS: 123-91-1 1,4-dioxane: A3

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- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

CAS: 75-21-8 ethylene oxide

CAS: 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 GHS08

- **Signal word** Danger

- **Hazard-determining components of labeling:**

d-limonene

- **Hazard statements**

Flammable liquid and vapor.

Causes skin irritation.

May cause an allergic skin reaction.

May be fatal if swallowed and enters airways.

- **Precautionary statements**

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

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing dust/fume/gas/mist/vapors/spray

Wash thoroughly after handling.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

If swallowed: Immediately call a poison center/doctor.

Specific treatment (see on this label).

Do NOT induce vomiting.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Take off contaminated clothing and wash it before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

In case of fire: Use CO2, powder or water spray to extinguish.

Store in a well-ventilated place. Keep cool.

Store locked up.

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:**

- **Date of preparation / last revision** 02/14/2024

- **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

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IATA: International Air Transport Association
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
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Flammable Liquids 3: Flammable liquids – Category 3
Skin Irritation 2: Skin corrosion/irritation – Category 2
Sensitization - Skin 1: Skin sensitisation – Category 1
Aspiration Hazard 1: Aspiration hazard – Category 1

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