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## SAFETY DATA SHEET

### Section 1. Identification

#### GHS product identifier

**Product Form:** Substance  
**Product Type:** Liquid  
**Substance Name:** CreteDefender EasyClean  
**Product Code:** CDEZCLN  
**SDS #:** CD-007  
**HTS#:** H.S.2931.90.9000  
**Other means of identification:** Not available

#### Intended Use of the Product

Identified Uses: Sealant

#### Name, Address, and Telephone of the Responsible Party

CreteDefender, Inc.  
790 Royal St. George Drive, Suite 141, #106  
Naperville, IL 60563  
1-877-830-6008

Emergency Telephone Number: US and Canada: 1-800-535-5053  
International: 1-352-323-3500

### Section 2. Hazards Identification

#### 2.1 Classification of the Substance or Mixture

OSHA/HCS status, in accordance with OSHA Hazard Communication Standard – Classification of the chemical in accordance with paragraph (d) of 29 CFR 1910.1200

Highly flammable liquid and vapor.  
Causes serious eye damage.  
May cause an allergic skin reaction.  
May damage fertility or the unborn child.  
Harmful if inhaled.  
May cause respiratory irritation.  
May cause drowsiness or dizziness.  
Harmful to aquatic life with long lasting effects.

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Classification of the substance or mixture:

- Flammable liquids, Category 2
- Serious eye damage/eye irritation: Irreversible effects on the eye, Cat. 1
- Respiratory or skin sensitization: Skin sensitization, Cat. 1A
- Reproductive toxicity, Category 1B
- Acute Toxicity: Cat. 4 (inhalation)
- Specific target organ toxicity – Single exposure, Category 3
- Hazardous to the aquatic environment: Chronic Category 3

**2.2 GHS Label Elements**

Hazard pictograms (GHS - US)



Flame                      Corrosion                      Exclamation Mark                      Health Hazard

Signal Word:

Danger

Hazard statements:

- H225 Highly flammable liquid and vapor.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H360 May damage fertility or the unborn child.
- H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

Prevention:

- P201 Obtain special instructions before use
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
- P240 Ground/bond container and receiving equipment.
- P243 Take precautionary measures against static discharge.
- P261 Avoid breathing dust/fume/mist/vapor/spray.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P302 + P350 IF ON SKIN: Gently wash with plenty of soap and water.
- P332 + P313 If skin irritation occurs: Get medical advice/attention.
- P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P308 + P313 IF exposed or concerned: Get medical advice/attention.

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Storage:	P402 + P404	Store in a dry place. Store in a closed container.
Disposal:	P501	Dispose of contents/container to waste treatment in accordance with national regulations.

### 2.3 Other Hazards

If applicable in this section are given hazards which are not part of the overall classification but can contribute to the hazards which may be associated with the substance or mixture.

This product may cause slight respiratory irritation upon inhalation. This product may be mildly irritating to skin with prolonged exposure.

## Section 3. Composition/Information on Ingredients

3.1 Substances -- Not applicable

3.2 Mixtures

#### Chemical characterization

Mixture of silanols and organosilanes in solvent

#### Hazardous Ingredients (GHS) according to 29 CFR 1910.1200

Tertiary Butyl Acetate

Content:	> 50 %	Flam. Liq. 2	H225
CAS number:	540-88-5	Acute Tox. (inhalation)	H332
		STOT SE 3	H335

1-Methoxy-2-propanol

Content:	10 - 30 %	Flam. Liq. 3	H226
EC index no.:	603-064-00-3	STOT SE 3	H336
CAS number:	107-98-2		

3-Glycidoxypropyltrimethoxysilane copolymer

Content:	1 - 10 %	Eye Dam. 1	H318
CAS number:	2530-83-8	Aquatic Chronic 3	H412

Tetraethoxysilane

Content:	1 - 10 %	Flam. Liq. 3	H226
CAS number:	78-10-4	Eye Irrit. 2	H319
		Acute Tox. (inhalation)	H332
		STOT SE 3	H335

3,6-diazaoctane-1,8-diamine (triethylene tetramine)

Content:	0.1 - 1.0 %	Acute Tox. 4 (dermal)	H312
EC Number:	203-950-6	Skin Corr. 1B	H314
EC index no.:	612-059-00-5	Skin Sens. 1B	H317
CAS number:	112-24-3	Aquatic Chronic 3	H412

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**Dibutyltin dilaurate**

Content:	0.1 - 0.5 %	Skin Sens. 1B	H317
CAS number:	77-58-7	Eye Irrit. 2	H319
		Muta. 2	H341
		Repr. 1B	H360
		STOT SE 1	H370
		STOT RE 1	H372
		Aquatic Chronic 1	H410

**Octamethylcyclotetrasiloxane**

Content:	0.1 - 0.2 %	Flam. Liq. 3	H226
EC Number:	209-136-7	Repr. 2	H361
EC index no.:	014-018-00-1	Aquatic Chronic 2	H411
CAS number:	556-67-2		
REACH registr. No.	01-2119529238-36-XXXX		

**n-Butyl acetate**

Content:	0.1 - 0.2 %	Flam. Liq. 3	H226
EC Number:	204-658-1	STOT SE 3	H336
EC index no.:	607-025-00-1		
CAS number:	123-86-4		

## Section 4. First Aid Measures

### 4.1 Description of necessary first aid measures

General information:	Take off immediately all contaminated clothing.
Inhalation:	Upon inhalation of aerosol/vapors/dust: Take the patient into the fresh air; if there is difficulty in breathing, medical advice is required.
Skin contact:	Cleansing with plenty of water, soap or other non-irritating cleansing agents.
Eye contact:	Contamination of the eyes must be treated by thorough irrigation with water, with the eyelids held open. A doctor (or eye specialist) should be consulted immediately.
Ingestion:	If the product is swallowed, the patient must at once drink water repeatedly, if possible with the addition of activated carbon. If the patient feels unwell, seek medical advice.

### 4.2 Most important symptoms/effects, acute and delayed

Please see hazard statements in section 2.2 if given and information in this section if stated.

### 4.3 Indication of immediate medical attention and special treatment needed

Please see precautionary statements in section 2.2 as well as first aid information in this section if stated.

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## Section 5. Fire-fighting Measures

### 5.1 Extinguishing Media

Suitable extinguishing media: Water mist, CO<sub>2</sub>, foam, dry powder

Unsuitable extinguishing media: Not determined

### 5.2 Specific hazards arising from the substance:

Not determined

### 5.3 Advice for firefighters

Special protective equipment for firefighters: Firemen have to wear self-contained breathing apparatus.

Further information: Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## Section 6. Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Use the necessary personal protection equipment during any work.

### 6.2 Environmental precautions:

Do not empty into drains or waters.

### 6.3 Methods and materials for containment and cleaning up:

Take up with absorbent material and fill into a closable container.

### 6.4 Reference to other sections

Additional information: For further disposal measures see chapter 13.

## Section 7. Handling and Storage

### 7.1 Precautions for safe handling:

Advice on safe handling: Close container immediately after use, avoid excessive heat.

Advice on protection against fire & explosion: No special measures against fire or explosion required.

### 7.2 Conditions for safe storage, including any incompatibilities:

Requirements for storage rooms and vessels: Keep original container tightly closed in a cool and dry, well-ventilated place.

Storage stability: Not determined

**7.3 Specific end use(s):** Not determined

## Section 8. Exposure Controls/Personal Protection

### 8.1 Exposure Limits

Ingredients with occupational exposure limits to be monitored:

**Tertiary Butyl Acetate**

OSHA TWA value: 200 ppm

**1-methoxy-2-propanol**

ACGIH TWA value: 50 ppm

**Tetraethoxysilane**

ACGIH TWA value: 10 ppm

OSHA Table Z-1 (US): 850 mg/m<sup>3</sup>

**3,6-diazaoctane-1, 8-diamine (triethylene tetramine)**

ACGIH TWA value: 1 ppm

**Dibutyltin dilaurate**

ACGIH TWA value: 0.1 mg/m<sup>3</sup>

Sh (Sensitization hazard)

**Octamethylcyclotrisiloxane**

OARS WEEL TWA value: 10 ppm

**n-Butyl acetate**

ACGIH TWA value: 50 ppm

Any listed exposure limits listed do not absolve the user from their responsibility of ensuring that all local regulations are observed.

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## 8.2 Exposure Controls

General protective measures:	Do not breathe vapor/spray. Avoid contact with eyes and skin. Take off immediately all contaminated clothing.
Hygiene measures:	Do not eat, drink or smoke at work. Wash hands before breaks and at end of work and use skin-protecting ointment. Keep away from food and drink stuffs.

### Personal Protection

Respiratory:	If airborne concentrations pose a health hazard, become irritating, or exceed recommended limits, use a NIOSH approved respirator in accordance with OSHA respiratory protection requirements under 29 CFR 1910.134.
Hands:	Wear suitable gloves e.g. of PVC or nitrile rubber. In the event of contamination, change protective gloves immediately. Avoid skin contact with the wetted surfaces of the protective gloves.
Eyes:	Safety glasses with side protection shield
Skin/Body protection:	Wear protective clothing

Personal protective equipment (pictograms):



## Section 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

Form/Physical state:	Liquid
Color:	White
Odor:	Solvent like
Melting point:	Not determined
Boiling point:	98 °C
Flash point:	2-4 °C
Ignition temperature:	Not determined
Flammability:	Not determined
Lower and upper explosion limits:	Not determined
Vapor pressure:	Not determined
Density:	0.885 g/cm <sup>3</sup>
Solubility in water:	Insoluble
pH:	Not applicable

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Octanol/water Partition

coefficient (log Pow):	Not determined
Viscosity (dynamic):	Not determined
Viscosity (kinematic):	Not determined
Viscosity (flow time):	Not determined

### **9.2 Other information**

Combustion number:	Not determined
Dust explosion class:	Not determined
Bulk density:	Not determined
Further information (phys.-chem.)	Not necessary

## **Section 10. Stability and Reactivity**

### **10.1 Reactivity:**

No hazardous reactions when stored and handled according to prescribed instructions.

### **10.2 Chemical stability:**

Thermal decomposition: No thermal decomposition when stored and handled correctly.

### **10.3 Possibility of hazardous reactions:**

Hazardous reactions: Carbon monoxide, Carbon dioxide, Nitrogen oxides (NO<sub>x</sub>)

Hazardous decomposition products: Not applicable.

### **10.4 Conditions to avoid:**

For avoidable conditions: Not necessary.

### **10.5 Incompatible materials:**

For avoidable materials: Not necessary.

### **10.6 Hazardous decomposition products:**

Not applicable



## Section 11. Toxicological Information

### 11.1 Information on toxicological effects

Acute oral toxicity:	LD-50 > 2,000 mg/kg (rat)
Acute inhalation toxicity:	Not determined
Acute dermal toxicity:	Not determined
Irritant effect on skin:	Non-irritant (rabbit)
Irritant effect on eyes:	Irritant – risk of serious damage to eyes (rabbit eye) Classification according to GHS criteria.
Sensitization:	May cause an allergic skin reaction.
Repeated dose toxicity:	Not determined
Mutagenicity:	Not determined
Teratogenicity:	Not necessary
Carcinogenicity:	Not necessary

### 11.2 Information on toxicological effects

Primary route of exposure	
Inhalation:	Yes
Skin contact:	Yes
Eye contact:	Yes
Skin Absorption:	No
Ingestion:	Yes

### 11.3 Carcinogen status:

IARC: No    NTP: No    OSHA: No    ACGIH: No    CalProp65: Yes

## Section 12. Ecological Information

### 12.1 Toxicity:

Fish toxicity:	Not determined
Daphnia toxicity:	Not determined
Algae toxicity:	Not determined
Bacteria toxicity:	Not determined

### 12.2 Persistence and degradability

Physico-chemical eliminability:	Not determined
Biodegradability :	Not determined
Behavior in environmental compartments:	Not determined
Dissolved Organic carbon (DOC):	Not determined
Chemical oxygen demand (COD):	Not determined
Biochemical oxygen demand (BOD5):	Not determined

Remarks:        Product does not add to the AOX-value of the sewage. (DIN EN 1485)  
                       The product does not contain heavy metals in concentrations of concern for waste water.

### 12.3 Bioaccumulative potential

Not determined

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#### 12.4 Mobility in soil

Not determined

#### 12.5 Results of PBT and vPvB assessment

Not determined

#### 12.6 Other adverse effects

Not determined

## Section 13. Disposal Considerations

#### 13.1 Waste Treatment Methods

Product: If utilization or recycling of the product is not possible, it should be disposed of according to the local regulations and laws, e.g. by incineration in a suitable plant.

European Waste Catalogue (EWC) code: 040215 wastes from finishing other than those mentioned in 04 02 14

Uncleaned packaging: Soiled, empty containers are to be treated in the same way as the contents.

## Section 14. Transport Information

#### 14.1 Transport classification

D.O.T. Information

CFR	UN 1993 Flammable liquid, n.o.s. Class: 3 PG:II Tech Name: Butyl Acetate
IMDG	UN 1993 Flammable liquid, n.o.s. Class: 3 PG:II EmS: F-E, S-E
IATA_C	UN 1993 Flammable liquid, n.o.s. Class: 3 PG:II
IATA_P	UN 1993 Flammable liquid, n.o.s. Class: 3 PG:II

#### 14.2 Special precautions for user:

Keep separated from foodstuffs

#### 14.3 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No transport in bulk according to Annex II of MARPOL 73/78 and the IBC code foreseen for this substance or mixture.

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## Section 15. Regulatory Information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

U.S. Federal regulations:

TSCA:

All components are listed on the Toxic Substance Control Act (TSCA) inventory or are in compliance with a TSCA inventory exemption.

Sara 313:

This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

HMIS code: 2 - 3 - 0 - B

**15.2 Chemical safety assessment:** Not determined

## Section 16. Other Information

Text of all shortcuts referred to in sections 2 and 3:

H225	Highly flammable liquid and vapor.
H226	Flammable liquid and vapor.
H312	Harmful if in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H341	Suspected of causing genetic defects.
H360	May damage fertility or the unborn child.
H361	Suspected of damaging fertility.
H370	Causes damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Acute Tox. 4 (dermal)	Acute Toxicity: Cat. 4 (dermal)
Acute Tox. 4 (inh)	Acute Toxicity: Cat. 4 (inhalation)
Aquatic Chronic 1	Hazardous to the aquatic environment: Chronic Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment: Chronic Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment: Chronic Category 3
Eye Dam. 1	Serious eye damage/eye irritation: Irreversible effects on the eye, Cat. 1
Eye Irrit. 2	Serious eye damage/eye irritation: Irritating to eyes, Cat. 2
Flam. Liq. 2	Flammable liquids, Category 2

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Flam. Liq. 3	Flammable liquids, Category 3
Muta. 2	Germ cell mutagenicity: Hazard Category 2
Repr. 1B	Reproductive toxicity: Category 1B
Repr. 2	Reproductive toxicity: Category 2
Skin Sens. 1B	Respiratory or skin sensitization: Skin Sensitization, Cat. 1B
Skin Corr. 1B	Skin corrosion/irritation: Corrosive, Cat. 1B
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT SE 1	Specific target organ toxicity — Single exposure, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3

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