

SAFETY DATA SHEET

Section 1. Identification

GHS product identifier

Product Form: Substance
Product Type: Liquid
Substance Name: CreteDefender XTreme
Product Code: CDXTREME
SDS #: CD-006
HTS#: H.S.2839.19.0000
Other means of identification: Not available

Intended Use of the Product

Identified Uses: Sealant

Name, Address, and Telephone of the Responsible Party

CreteDefender, Inc.
20 S. Sarah Street
St. Louis, MO 63108
1-877-830-6008

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

Section 2. Hazards Identification

OSHA/HCS status, in accordance with OSHA Hazard Communication Standard (29 CFR 1910.1200)

May cause an allergic skin reaction.
Causes serious eye damage.
Harmful if inhaled.
May cause respiratory irritation.
Suspected of causing genetic defects.
May damage fertility or the unborn child.
May cause damage to organs.

Classification of the substance or mixture: SKIN SENSITIZATION - Category 1B
SERIOUS EYE DAMAGE / EYE IRRITATION: irreversible effects on the eye - Category 1B
Acute Toxicity: Cat. 4 (inhalation)
Specific target organ toxicity — Single exposure, Category 3
Germ cell mutagenicity, Hazard Category 2

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Reproductive toxicity, Category 1B
Specific target organ toxicity — Single exposure, Category 2

GHS Label Elements

Hazard pictograms (GHS - US)



Corrosion



Exclamation Mark



Health Hazard

Signal Word:

Danger

Hazard statements:

H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H341 Suspected of causing genetic defects.
H360 May damage fertility or the unborn child.
H371 May cause damage to organs.

Precautionary statements

Prevention:

P201 Obtain special instruction before use.
P202 Do not handle until all safety precautions have been read and understood.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P260 Do not breathe vapour/spray.
P264 Wash thoroughly after handling.

Response:

P302+P334: IF ON SKIN: Immerse in cool water/wrap in wet bandages.
P332+P313: If skin irritation occurs: Get medical advice/attention.
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 or a doctor/physician.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in position comfortable for breathing.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/container to waste treatment in accordance with national regulations.

Hazards not otherwise classified:

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 be mildly irritating to skin with prolonged exposure.

Section 3. Composition/Information on Ingredients

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3.1 Substances

Not applicable

3.2 Mixtures

Chemical characterization

Alkoxysilane mixture

Hazardous Ingredients (GHS) according to 29 CFR 1910.1200

Ingredient Name	%	CAS Number
Proprietary silanes	65 - 90	Proprietary
Alkyl amine	< 5	
Ethanol	< 1	
Dibutyltin dilaurate	< 1.5	

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, thereby requiring reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First Aid Measures

Description of necessary first aid measures

General information:	Take off immediately all contaminated clothing.
Eye contact:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove contact lenses. Continue to rinse for at least 10 minutes. Consult an eye specialist.
Inhalation:	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.
Ingestion:	Wash out mouth with water. Remove dentures, if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing, such as a collar, tie, belt, or waistband.

Most important symptoms/effects, acute and delayed

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

Indication of immediate medical attention and special treatment needed, if necessary

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

Extinguishing Media

Suitable extinguishing media:	Water mist, foam, dry powder, CO2
Unsuitable extinguishing media:	None known
Specific hazards arising from the substance:	Not determined
Hazardous thermal decomposition products:	No specific data
Special protective equipment for firefighters:	Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in a positive pressure mode.
Further information:	Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

Section 6. Accidental Release Measures

Personal precautions:	Use the necessary personal protection equipment during any work.
Environmental precautions:	Do not empty into drains or waters.
Methods for cleaning up:	Take up with absorbent material and fill into a closable container.
Additional information:	For further disposal measures see chapter 13.

Section 7. Handling and Storage

Handling:	Close container immediately after use, avoid excessive heat.
Protection against fire & explosion:	No special measures against fire or explosion required.
Storage:	Requirements for storage rooms and vessels: not determined Storage stability: not determined
Specific end use(s):	Not determined

Section 8. Exposure Controls/Personal Protection

Control parameters

Occupational exposure limits:	Ingredients with occupational exposure limits to be monitored: Proprietary silane Content: 65 - 90 % Dibutyltin dilaurate Content: < 1.5 %
Engineering measures:	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Hygiene measures:	Do not eat, drink or smoke at work. Wash hands before breaks and at end of work and use skin-protecting ointment.

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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:	Wear protective clothing.

Personal protective equipment (pictograms):



Section 9. Physical and Chemical Properties

Appearance

Physical state:	Liquid
Color:	Yellow
Odor:	Mild
pH:	9 - 11
Melting point:	Not determined
Boiling point:	Not determined
Flash point:	> 100 °C
Flammability (solid, gas):	Not determined
Lower and upper explosive (flammable) limits:	Not determined
Vapor pressure:	Not determined
Relative density:	0.95 - 1.02 g/cm ³ (20 °C)
Solubility in water:	Insoluble
Partition coefficient n-octanol/water:	Not determined
Ignition temperature:	Not determined
Viscosity (dynamic):	Not determined
Viscosity (kinematic):	Not determined
Viscosity (flow time):	Not determined
Combustion number:	Not determined
Dust explosion class:	Not determined
Bulk density:	Not determined
Further information (phys.-chem.)	Not necessary

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VOC content:

Section 10. Stability and Reactivity

Reactivity:	No hazardous reactions when stored and handled according to prescribed instructions.
Chemical stability:	The product is stable. Thermal decomposition No thermal decomposition when stored and handled correctly.
Possibility of hazardous reactions:	No hazardous reaction when used as directed. Hazardous decomposition products: Carbon dioxide, carbon monoxide, silicon dioxide, formaldehyde.
Conditions to avoid:	Not necessary
Incompatible materials:	For avoidable materials: not necessary.
Hazardous decomposition products:	Not applicable.

Section 11. Toxicological Information

Information on toxicological effects

Acute oral toxicity:	Not determined
Acute inhalation toxicity:	Not determined
Acute dermal toxicity:	Not determined
Irritant effect on skin:	Slight irritant effect - does not require labelling
Irritant effect on eyes:	Irritant (rabbit eye)
Sensitization:	May cause sensitization by skin contact.
Repeated dose toxicity:	Not determined
Mutagenicity:	Not determined
Teratogenicity:	Not determined
Carcinogenicity:	Not determined

Information on the likely routes of exposure:

Skin contact
Eye contact
Inhalation
Ingestion

Carcinogen status:

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

Section 12. Ecological Information

Toxicity:

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

Persistence and degradability

Physico-chemical eliminability:	Not determined
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Biodegradability :	Not determined
Behaviour 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.

Bioaccumulative potential:	Not determined
Mobility in soil:	Not determined
Results of PBT and vPvB assessment	Not determined
Other adverse effects:	Not determined

Section 13. Disposal Considerations

Waste Disposal: 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: 040214 wastes from finishing containing organic solvents.
Uncleaned packaging: Soiled, empty containers are to be treated in the same way as the contents.

Section 14. Transport Information

Transport classification — D.O.T. Information

CFR	Non dangerous goods
IMDG	Non dangerous goods
IATA_C	Non dangerous goods
IATA_P	Non dangerous goods

Special precautions for user: Keep separated from foodstuffs.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: No issues for transport in bulk according to Annex II of MARPOL 73/78 and the IBC code foreseen for this substance or mixture.:

Section 15. Regulatory Information

U.S. Federal regulations: TSCA: The components of this product are listed on the TSCA inventory.
Sara 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.
Sara 312:
Immediate (acute) health hazard
Delayed (chronic) health hazard

HMIS code: 2* - 1 - 0 - B

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EPA Registration Number: Not available

Clean Air Act Section 112 (b)

Hazardous Air Pollutants (HAPs): Not listed

SARA 302/304

Composition / information on ingredients: No products were found

SARA 304 RQ: Not applicable

State Regulations

Massachusetts: None of the components are listed

New York: None of the components are listed

New Jersey: None of the components are listed

Pennsylvania: None of the components are listed

California Prop 65: Not available

Canada

Canadian NPRI: None of the components are listed

Canada inventory: All components are listed or exempted

Canadian PCP/DIN Number: Not available

International Regulations

International lists: Australia inventory (AICS): All components are listed or exempted
China inventory (IECSC): All components are listed or exempted
Japan inventory: Not determined
Korea inventory: All components are listed or exempted
Malaysia inventory (EHS Register): Not determined
New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted
Philippines inventory (PICCS): All components are listed or exempted
Taiwan inventory (CSNN): Not determined

Chemical safety assessment: Not determined

Section 16. Other Information

History

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Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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