

# Safety Data Sheet

According to OSHA Hazard Communication 29 CFR Part 1910.1200

Version: 1.4

Revision: 10/18/2023

Trade Name: CSS EMULSION™

## SECTION 1 Identification

Product Name: CSS EMULSION™  
Product Type: Low VOC Exempt Sealer  
Supplied by: Elite Crete Systems  
1151 Transport Drive  
Valparaiso, IN 46383  
Toll Free: 888-323-4445  
Tel: (219) 465-7671  
[elitecrete.com](http://elitecrete.com)

### For Emergency Medical Assistance:

Call Health & Safety Information Services

(1-866-303-6949)

For Emergency transportation Information:

CHEMTREC US DOMESTIC: 1-800-424-9300

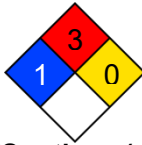
CHEMTREC INTERNATIONAL: 1-703-527-3887

## SECTION 2 Hazard(s) identification

\*\*\* EMERGENCY OVERVIEW \*\*\*: Flammable liquid and vapor.

### GHS Classification

### NFPA ratings (scale 0 - 4)



Health = 1  
Fire = 3  
Reactivity = 0

### HMIS-ratings (scale 0 - 4)

Health	1
Fire	3
Reactivity	0

Health 1  
Fire = 3  
Reactivity = 0  
Personal Protection = X

### Symbol(s) of Product



### Signal Word

Danger

### GHS HAZARD STATEMENTS

Flammable Liquid, category 2

H225

Highly flammable liquid and vapor.

### GHS PRECAUTIONARY STATEMENTS

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233

Keep container tightly closed.

P240

Ground/bond container and receiving equipment.

P241

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

P242

Use only non-sparking tools.

P243

Take precautionary measures against static discharge.

P280

Wear protective gloves/protective clothing/eye protection/face

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P303+P361+P353

protection.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P370+P378

In case of fire: Use appropriate method to extinguish.

P403+P235

Store in a well-ventilated place. Keep cool.

P501

Dispose of contents/container in accordance with local/regional/national/international regulations.

## SECTION 3 Composition/information on ingredients

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>WT. %</u>	<u>GHS Symbols</u>	<u>GHS Statements</u>
Dimethyl carbonate	616-38-6	54-58%	GHS02	H225
Acrylic Polymer(s)	Non Haz.	42-46%		

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

## SECTION 4 First aid measures



**FIRST AID - EYE CONTACT:** Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention promptly.

**FIRST AID - SKIN CONTACT:** Remove contaminated clothing. Wash skin with soap and water. Get medical attention. Wash clothing separately and clean shoes before reuse.

**FIRST AID - INHALATION:** Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention.

**FIRST AID - INGESTION:** DO NOT induce vomiting. Get medical attention immediately. Quickly give 3 or more glasses of water for the victim to drink.

## SECTION 5 Firefighting measures

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Flammable liquid and vapor. Vapors/dust may cause flash fire or explosion. Vapors can travel to a source of ignition and flash back. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. Also, do not reuse container without commercial cleaning or reconditioning.

**SPECIAL FIREFIGHTING PROCEDURES:** As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Avoid use of solid water streams. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

**EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam, Water Fog

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## SECTION 6 Accidental release measures

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Wear appropriate personal protective equipment. (See Exposure Controls / Personal Protection Section.) Eliminate all ignition sources. Evacuate unnecessary personnel. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Ventilate spill area. Stay upwind of spill. Use only non-combustible material for clean-up. Use clean, non-sparking tools to collect absorbed materials. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

## SECTION 7 Handling and storage



**HANDLING:** Use only in a well ventilated area. Avoid breathing vapor, fumes or mist. Avoid contact with eyes, skin, and clothing. Always open containers slowly to allow any excess pressure to vent. Follow all MSDS/label precautions even after containers are emptied because they may retain product residues.

**STORAGE:** Keep away from heat, sparks, and flame. Store containers in a cool, well ventilated place. Keep container closed when not in use.

## SECTION 8 Exposure controls/personal protection

### Ingredients with Occupational Exposure Limits

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH-TLV STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
Dimethyl carbonate	N.D.	N.D.	N.D.	N.D.

### Personal Protection



**RESPIRATORY PROTECTION:** NIOSH/MSHA approved respirators may be necessary if airborne concentrations are expected to exceed exposure limits.



**SKIN PROTECTION:** Wear impervious gloves to prevent contact with the skin. Wear protective gear as needed - apron, suit, boots.



**EYE PROTECTION:** Wear safety glasses with side shields (or goggles) and a face shield.



**OTHER PROTECTIVE EQUIPMENT:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.



**HYGIENIC PRACTICES:** Do not eat, drink, or smoke in areas where this material is used. Avoid breathing vapors. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating.

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## SECTION 9 Physical and chemical properties

<b>Appearance:</b>	Liquid	<b>Physical State:</b>	Liquid
<b>Odor:</b>	Typical	<b>Odor Threshold:</b>	N.D.
<b>Density, g/cm<sup>3</sup>:</b>	1.082	<b>pH:</b>	N.D.
<b>Freeze Point, °F:</b>	N.D.	<b>Viscosity:</b>	N.D.
<b>Solubility in Water:</b>	Insoluble	<b>Explosive Limits, vol%:</b>	N.D.
<b>Boiling Range, °F:</b>	194 – 194	<b>Flash Point, °F:</b>	65
<b>Evaporation Rate:</b>	Not determined	<b>Auto-ignition Temp., °F:</b>	N.D.
<b>Vapor Density:</b>	N.D.	<b>Vapor Pressure:</b>	N.D.

(See "Other information" Section for abbreviation legend)

## SECTION 10 Stability and reactivity

**STABILITY:** No Information

**CONDITIONS TO AVOID:** Avoid impact, friction, heat, sparks, flame and source of ignition.

**INCOMPATIBILITY:** Prevent contact with strong oxidizing agents. Keep away from acids.

**HAZARDOUS DECOMPOSITION PRODUCTS:** No Information

**HAZARDOUS POLYMERIZATION:** No Information

## SECTION 11 Toxicological information



### Information on Toxicological Effects

**EFFECTS OF OVEREXPOSURE - INHALATION:** Breathing in the material may irritate the mucous membranes of the nose, throat bronchi and lungs. Vapors are irritating to the respiratory tract.

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** Causes skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

**EFFECTS OF OVEREXPOSURE - EYE CONTACT:** Causes eye irritation.

**EFFECTS OF OVEREXPOSURE - INGESTION:** Ingestion may cause gastrointestinal tract irritation.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** No Information

**Primary Route(s) of Entry:** Eye Contact, Ingestion, Inhalation, Skin Contact

### Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below:

<u>CAS-No.</u>	<u>Name according to EEC</u>	<u>Oral LD50, mg/kg</u>	<u>Dermal LD50, mg/kg</u>	<u>Vapor LC50, mg/L</u>
616-38-6	Dimethyl carbonate	13,000	N.D.	N.D.

## SECTION 12 Ecological information

**ECOLOGICAL INFORMATION:** No Information

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## SECTION 13 Disposal considerations



For more guidance and information contact our Waste Services Division at (262) 658-4000. Always dispose of any waste in accordance with all local, state, and federal regulations.

**DISPOSAL METHOD:** Dispose of waste in accordance with all local, state and federal regulations.

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Wear appropriate personal protective equipment. (See Exposure Controls / Personal Protection Section.) Eliminate all ignition sources. Evacuate unnecessary personnel. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Ventilate spill area. Stay upwind of spill. Use only non-combustible material for clean-up. Use clean, non-sparking tools to collect absorbed materials. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

## SECTION 14 Transport information

### 14.1 UN-Number

DOT: UN 1161

ADR, IMDG, IATA: UN 1161

### 14.2 UN proper shipping name

DOT: DIMETHYL CARBONATE MIXTURE

ADR, IMDG, IATA: DIMETHYL CARBONATE MIXTURE

### 14.3 Transport hazard class(es)

DOT

Class: 3

Label:



ADR, IMDG, IATA

Class: Class 3

Label:



### 14.4 Packing group

DOT, ADR, IMDG, IATA: PG II

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## SECTION 15 Regulatory information

### U.S. Federal Regulations:

#### CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Acute Health Hazard

#### SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No Sara 313 components exist in this product.

#### TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA components exist in this product.

### U.S. State Regulations:

#### NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product.

<u>Chemical Name</u>	<u>CAS-No.</u>
Acrylic polymer	Mixture

#### PENNSYLVANIA RIGHT-TO-KNOW

The following non-hazardous ingredients are present in the product are at or greater than 3%.

<u>Chemical Name</u>	<u>CAS-No.</u>
Acrylic polymer	Mixture

#### CALIFORNIA PROPOSITION 65 CARCINOGENS

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

No Proposition 65 Carcinogens exist in this product.

#### CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

No Proposition 65 Reproductive Toxins exist in this product.

### International Regulations: As follows -

**WHMIS Class:** No Information

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

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## SECTION 16 Other information

Revision Date: 12/1/2014

Supersedes Date: New SDS

Datasheet produced by: Elite Crete Systems

### HMIS Ratings:

Health:	1	Flammability:	3	Reactivity:	0 – No Hazard	Personal Protection:	X
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Volatile Organic Compounds, gr/ltr: 0

DISCLAIMER: THE VOLATILE ORGANIC COMPOUND (VOC) CONTENT REPORTED HEREIN, IF ANY, IS BASED ON A MATERIAL VOC CALCULATION. NOTE THAT SEVERAL METHODS ARE USED FOR CALCULATING VOC CONTENT AND THAT STANDARDS/ REQUIREMENTS REGARDING VOC CONTENT VARY BY LOCATION/JURISDICTION. ACCORDINGLY, EMCO MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, REGARDING THIS MATERIAL'S COMPLIANCE WITH VOC STANDARDS/REQUIREMENTS APPLICABLE IN LOCATIONS/JURISDICTIONS WHERE THIS MATERIAL MAY BE SOLD OR USED.

Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

### GHS HAZARD STATEMENTS

Flammable Liquid, category 2 H225 Highly flammable liquid and vapor.

### GHS PRECAUTIONARY STATEMENTS

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P370+P378 In case of fire: Use appropriate method to extinguish.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Icons for GHS Pictograms shown in Section 3 describing each ingredient:

GHS02



Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

The information on this SDS was obtained from sources which we believe to be reliable. However, the information provided is without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the

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product itself. The information and recommendations are offered for the user's consideration and examination and should be used to make an independent determination of the methods to safeguard workers and the environment. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For these reasons we do not assume responsibility and expressly disclaim any liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS may not be applicable. It is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.