

SAFETY DATA SHEET

Section 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER

Product Name: CEG-Lite™ 100% Solids Commercial Epoxy Grout Part A

Product Code: Not Available

1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

Product Use: Epoxy Grout

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEETS

Name/Address: Custom Building Products

Five Concourse Parkway, Suite 1900

Atlanta, GA 30328

Telephone Number: 1-(800)-282-8786

1.4 EMERGENCY TELEPHONE NUMBER

Emergency Telephone INFOTRAC 1-800-535-5053 (US and Canada)

Number: INTERNATIONAL + 1-352-323-3500

Section 2: HAZARD(S) IDENTIFICATION

2.1 CLASSIFICATION OF THE CHEMICAL IN ACCORDANCE WITH PARAGRAPH (d) OF 29 CFR 1910.1200 (OSHA HAZCOM2012)

Acute Toxicity—Dermal Category 4 Acute Toxicity—Oral Category 4 Skin Corrosion Category 1C **Eye Damage** Category 1 Skin Sensitization Category 1 Specific Target Organ Toxicity—Single Exposure Category 3 Specific Target Organ Toxicity—Repeated Exposure Category 1 Carcinogenicity Category 1A **Reproductive Toxicity** Category 2

2.2 LABEL ELEMENTS ACCORDING TO OSHA HAZCOM2012

2.2a SIGNAL WORD:

DANGER!

2.2b HAZARD STATEMENTS

Harmful in contact with skin
Harmful if swallowed
Causes severe skin burns and eye damage
Causes serious eye damage
May cause an allergic skin reaction
May cause respiratory irritation



Causes damage to organs through prolonged or repeated inhalation of dust May cause cancer through inhalation of dust Suspected of damaging fertility or the unborn child

2.2c HAZARD PICTOGRAMS



2.2d PRECAUTIONARY STATEMENTS

i.	PREVENTION	Wear impervious gloves/protective clothing/eye protection. Wash hands thoroughly after handling. Contaminated clothing must not be allowed out of the workplace. Do not breathe dust/vapors/fumes. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
ii.	RESPONSE	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: call a poison center/doctor. If swallowed: Rinse mouth. Do NOT induce vomiting. If exposed or concerned: get medical advice/attention.
iii.	STORAGE	Store locked up. Store in a well-ventilated place. Keep container tightly closed.
iv.	DISPOSAL	Dispose of contents/containers in accordance with all local, state, provincial, and federal regulations.

2.3 ADDITIONAL INFORMATION

2.3a HNOC – HAZARDS NOT OTHERWISE CLASSIFIED Not Applicable

2.3b UNKNOWN ACUTE TOXICITY

<1% of the mixture consists of ingredient(s) of unknown acute toxicity.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 MIXTURES

Chemical Name	CAS Number	Weight %
Diethylenetriamine	111-40-0	10 – 30%*



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Isophorone Diamine	2855-13-2	7 – 13%*
Benzyl Alcohol	100-51-6	5 – 10%*
Crystalline Silica, Quartz	14808-60-7	1 – 5%*
Tetraethylenepentamine	112-57-2	1 – 5%*

^{*}Means that the component will fall into one of the ranges specified due to batch-to-batch variability and to protect Confidential Business Information.

Section 4: FIRST-AID MEASURES

4.1 DESCRIPTION OF THE FIRST-AID MEASURES

Ingestion:

Eye Contact:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.

Skin Contact:

In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

Inhalation:

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical

advice/attention if you feel unwell.

If swallowed, do NOT induce vomiting unless directed to do so by

medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.

4.2 MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

ROUTES OF EXPOSURE	DESCRIPTION
Eye Contact:	Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Skin Contact:	Causes severe skin burns. Harmful in contact with skin. Handling can cause dry skin, discomfort, irritation, and dermatitis. May cause sensitization by skin contact.
Inhalation:	May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated exposure. This product contains crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica from this product can cause silicosis, a serious disabling and fatal lung disease.
Ingestion:	Harmful if swallowed. Ingestion may cause discomfort and/or distress, nausea or vomiting.

4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Note to Physicians: Symptoms may not appear immediately.



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Specific Treatments: In case of accident or if you feel unwell, seek medical advice

immediately (show the label or SDS where possible).

Section 5: FIRE-FIGHTING MEASURES

5.1 FLAMMABILITY

Flammability: Not Flammable/Not Combustible by WHMIS/OSHA HAZCOM2012 Criteria

5.2 EXTINGUISHING MEDIA

5.2a. Suitable Extinguishing Media:

Treat for surrounding material.

5.2b. Unsuitable Extinguishing Media:

Not Available

5.3 SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

5.3a. Products of Combustion:

May include, and are not limited to: oxides of carbon and hydrogen sulfide

5.3b. Explosion Data

i. Sensitivity to Mechanical Impact:

Not Available

ii. Sensitivity to Static Discharge:

Not Available

5.4 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

Keep upwind of fire. Wear full fire fighting turn-out gear(full bunker gear) and respiratory protection (SCBA).

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Methods for Containment: Recover all usable material. Pick up large pieces, and then place

in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment

(PPE).

Methods for Cleaning-Up: Vacuum or sweep material and place in a disposal container.

Dispose of unwanted material properly in accordance with all local,

regional, national and international regulations.



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Section 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Handling: Use in well-ventilated areas. Wear impervious gloves and eye

protection. Do not mix with other chemical products, except as indicated by the manufacturers. Do not get in eyes. Do not get on skin or clothing. Do not breathe dust/vapors/fumes. Do not take

internally.

General Hygiene Advice: Use good industrial hygiene practices and wear recommended

personal protection. Launder contaminated clothing before reuse.

Wash hands before eating, drinking, or smoking.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage: Store locked up. Keep out of the reach of children. Keep container

tightly closed. Store at room temperature and keep containers

closed when not in use.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETER Exposure Guidelines:

Occupational Exposure Limits			
Chemical Name	OSHA-PEL	ACGIH-TLV	
Diethylenetriamine	4 mg/m ³	1 ppm	
Isophorone Diamine	Not Available	Not Available	
Benzyl Alcohol	10 ppm	Not Available	
Crystalline Silica, Quartz	0.05 mg/m ³	0.025 mg/m³ (Resp.)	
Tetraethylenepentamine	Not Available	Not Available	

8.2 EXPOSURE CONTROLS

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels

of dust, fume, vapor, etc.) below recommended exposure

limits.

8.3 INDIVIDUAL PROTECTION MEASURES

8.3a. Personal Protective Equipment:

i. **Eye/Face Protection**: Wear approved eye/face protection [properly fitted dust- or splash-proof chemical safety goggles/face (face shield)]

ii. Skin Protection:

1. Hand Protection: Wear impervious gloves, such as nitrile.

2. Body Protection: Wear suitable protective clothing.



- **iii. Respiratory Protection:** A NIOSH approved respirator or filtering face piece, such as N95, is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).
- iv. General Health and Safety Measures: Handle according to established industrial hygiene and safety practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.):	Colored Liquid (Various Colors)	
Odor:	Amine	
Odor Threshold: Not Available		
pH:	10.0 – 12.0	
Melting point/Freezing point:	Not Available	
Initial boiling point and boiling range:	Not Available	
Flash point:	>212°F (>100°C)	
Evaporation rate (Water=1):	Not Available	
Flammability:	Not Flammable/Not Combustible	
Upper Flammability/Explosive Limit:	Not Available	
Lower Flammability/Explosive Limit:	Not Available	
Vapor Pressure	Not Available	
Vapor Density:	Not Available	
Relative Density:	1.05 – 1.35 g/mL	
Solubility in Water:	Slightly Soluble	
Partition coefficient: n-octanol/water:	Not Available	
Auto-ignition temperature:	Not Available	
Decomposition Temperature:	Not Available	
Viscosity (cps):	Not Available	
VOC Content:	<40 g/L (When mixed properly with Part B)	

Section 10: STABILITY AND REACTIVITY

10.1. REACTIVITY

No dangerous reaction known under conditions of normal use.

10.2. CHEMICAL STABILITY

Stable under normal storage conditions. Keep dry in storage.

10.3. POSSIBILITY OF HAZARDOUS REACTION

No dangerous reaction known under conditions of normal use.

10.4. CONDITIONS TO AVOID

Heat. Incompatible materials.

10.5. INCOMPATIBLE MATERIALS

Strong acids. Strong Oxidizers.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS



Upon decomposition, this product may yield oxides of carbon and hydrogen sulfide.

Section 11: TOXICOLOGICAL INFORMATION

11.1. LIKELY ROUTES OF EXPOSURE:

Skin contact, skin absorption, eye contact, inhalation, and ingestion.

11.2. SYMPTOMS RELATED TO PHYSICAL/CHEMICAL/TOXICOLOGICAL CHARACTERISTICS:

Eye Contact: Causes serious eye irritation. Symptoms may include discomfort

or pain, excess blinking and tear production, with marked redness

and swelling of the conjunctiva.

Skin Contact: Causes skin irritation. Handling can cause dry skin, discomfort,

irritation, and dermatitis. May cause sensitization by skin contact.

Inhalation: May cause respiratory tract irritation. Causes damage to organs

through prolonged or repeated exposure. This product contains crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica from this product can cause silicosis, a serious

disabling and fatal lung disease.

Ingestion: May be harmful if swallowed. Ingestion may cause discomfort

and/or distress, nausea or vomiting.

Acute Toxicity (Oral ATE _{mix} = 2,491 mg/kg) (Dermal ATE _{mix} = 1,493 mg/kg)			
Chemical Name	LC50	LD50	
Diethylenetriamine	Not Available	Oral: 2,429 mg/kg, rat Dermal: 1,596 mg/kg, rabbit	
Isophorone Diamine	Not Available	Oral: 1,030 mg/kg, rat Dermal: 1,100 mg/kg, rabbit	
Benzyl Alcohol	Inhalation: 8.8 mg/L, 4h rat	Oral: 1,230 mg/kg, rat	
Crystalline Silica, Quartz	Not Available	Oral: >10,000 mg/kg, rat	
Tetraethylenepentamine	Not Available	Oral: 2,429 mg/kg, rat Dermal: 1,596 mg/kg, rabbit	

Carcinogenicity			
Chemical Name	Chemical Listed as Carcinogens or Potential Carcinogen (NTP,IARC,OSHA,ACGIH,CP65)		
Diethylenetriamine	Not Listed		
Isophorone Diamine	Not Listed		
Benzyl Alcohol	Not Listed		
Crystalline Silica, Quartz	N-2, I-1, O-1, ACGIH-A2, CP65		
Tetraethylenepentamine	Not Listed		

11.3. DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT AND LONG-TERM EXPOSURE

SHORT-TERM		
Skin Corrosion/Irritation: Causes severe skin burns		
Serious Eye Damage/Irritation: Causes serious eye damage		
Respiratory Sensitization:	Not Classified	



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Skin Sensitization:	May cause an allergic skin reaction	
STOT-Single Exposure:	May cause respiratory irritation	
Aspiration Hazard:	Not Classified	
LONG-TERM		
Carcinogenicity: May cause cancer through inhalation of dust		
Germ Cell Mutagenicity: Not Classified		
Reproductive Toxicity:	Suspected of damaging fertility or the unborn child	
STOT-Repeated Exposure:	Causes damage to organs through prolonged or repeated inhalation of dust	
Synergistic/Antagonistic Effects:	Not Classified	

Section 12: ECOLOGICAL INFORMATION

12.1. ECOTOXICITY

May cause long-term adverse effects to the aquatic environment. Keep from entry into sewers and waterways.

Ecotoxicity			
Chemical Name	EC50/NOEC-48 Hours	LC50/NOEC-96 Hours	
Diethylenetriamine	32 mg/L, Daphnia magna	430 mg/L, Fish	
Isophorone Diamine	23 mg/L, Daphnia magna	110 mg/L, Fish	
Benzyl Alcohol	55 mg/L, Daphnia magna	10 mg/L, Lepomis macrochirus	
Crystalline Silica, Quartz	Not Available	Not Available	
Tetraethylenepentamine	24.1 mg/L, Daphnia magna	420 mg/L, Poecilia reticulata	

12.2. PERSISTENCE AND DEGRADABILITY

Not Available

12.3. BIOACCUMULATIVE POTENTIAL

Not Available

12.4. MOBILITY IN SOIL

Not Available

12.5. OTHER ADVERSE EFFECTS

Not Available

Section 13: DISPOSAL CONSIDERATIONS

13.1. DISPOSAL METHOD

Dispose of contents/containers in accordance with all local, state, provincial, and federal regulations

13.2. OTHER DISPOSAL CONSIDERATIONS

Not Available

Section 14: TRANSPORT INFORMATION

DOT (U.S.)	TDG (CANADA)	IATA
UN NUMBER:	UN NUMBER:	UN NUMBER:



UN2735	UN2735	UN2735	
UN PROPER SHIPPING NAME:	UN PROPER SHIPPING NAME:	UN PROPER SHIPPING NAME:	
Amines, Liquid, Corrosive, N.O.S.	Amines, Liquid, Corrosive, N.O.S.	Amines, Liquid, Corrosive, N.O.S.	
(Diethylenetriamine, Isophorone	(Diethylenetriamine, Isophorone	(Diethylenetriamine, Isophorone	
diamine)	diamine)	diamine)	
TRANSPORT HAZARD CLASS (ES):	TRANSPORT HAZARD CLASS (ES):	TRANSPORT HAZARD CLASS (ES):	
8	8	8	
PACKING GROUP (if applicable):	PACKING GROUP (if applicable):	PACKING GROUP (if applicable):	
III	III	III	
Limited Quantity Exception <= 5L	Limited Quantity Exception <= 5L	Limited Quantity Exception <= 0.5L	

SUMMARY: Product is regulated under DOT/TDG and other transportation regulations.

14.1. ENVIRONMENTAL HAZARDS

Not Available

14.2. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE Not Available

14.3. SPECIAL PRECAUTIONS FOR USER

Do not handle until all safety precautions have been read and understood.

Section 15: REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATIONS SPECIFIC FOR THE CHEMICAL

Canada: This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations and the SDS contains all the information required by the Hazardous Products Regulations.

US: SDS prepared pursuant to the Hazard Communication Standard (29 CFR 1910.1200) HazCom 2012

15.2. US FEDERAL INFORMATION:

	SARA TITLE III			
CHEMICAL NAME	SECTION 302 (EHS) TPQ (LBS)	SECTION 304 EHS RQ (LBS)	CERCLA RQ (LBS)	SECTION 313 (TRI)
Diethylenetriamine	Not Listed	Not Listed	Not Listed	Not Listed
Isophorone Diamine	Not Listed	Not Listed	Not Listed	Not Listed
Benzyl Alcohol	Not Listed	Not Listed	Not Listed	Not Listed
Crystalline Silica, Quartz	Not Listed	Not Listed	Not Listed	Not Listed
Tetraethylenepentamine	Not Listed	Not Listed	Not Listed	Not Listed

15.3. US STATE RIGHT TO KNOW LAWS:



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California Proposition 65:

California to cause birth defects or other reproductive harm, and Benzene which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Diethylenetriamine: CAS#111-40-0

Isophorone Diamine: CAS#2855-13-2

Benzyl Alcohol: CAS#100-51-6

Silica, Quartz: CAS#14808-60-7

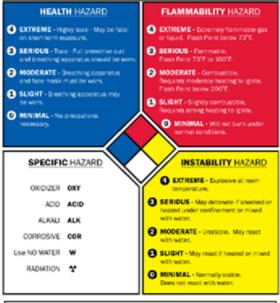
Titanium Dioxide: CAS#13463-67-7

15.4. GLOBAL INVENTORIES

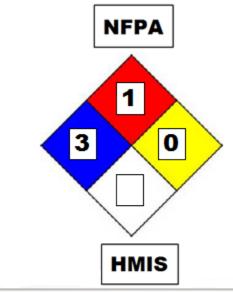
Chemical Name	USA TSCA	Canada DSL/NDSL
Diethylenetriamine	Yes	DSL
Isophorone Diamine	Yes	DSL
Benzyl Alcohol	Yes	DSL
Crystalline Silica, Quartz	Yes	DSL
Tetraethylenepentamine	Yes	DSL

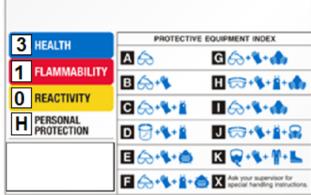


15.5. NFPA AND HMIS RATINGS:



Hazard Index	
4	Severe Hazard
3	Serious Hazard
2	Moderate Hazard
1	Slight Hazard





15.6. SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

CP65	California Proposition 65	
OSHA (O)	Occupational Safety and Health Administration	
ACGIH (G)	American Conference of Governmental Industrial Hygienists	
	A1 – Confirmed human carcinogen	
	A2 – Suspected human carcinogen	
	A3 – Animal carcinogen	
	A4 – Not classifiable as a human carcinogen	
	A5 – Not suspected a human carcinogen	
IARC (I)	International Agency for Research on Cancer	
	 1 – The agent (mixture) is carcinogenic to humans 	
	 2A – The agent (mixture) is probably carcinogenic to humans; 	
	there is limited evidence of carcinogenicity in humans and	
	sufficient evidence of carcinogenicity in experimental animals.	
	 2B – The agent (mixture) is possibly carcinogenic to humans; 	
	there is limited evidence of carcinogenicity in humans in the	
	absence of sufficient evidence of carcinogenicity in experimental animals.	



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	3 – The agent (mixture, exposure circumstance) is not classifiable
	as to its carcinogenicity to humans.
	 4 – The agent (mixture, exposure circumstance) is probably not
	carcinogenic to humans.
NTP (N)	National Toxicology Program
	1 – Known to be carcinogens
	 2 – Reasonably anticipated to be carcinogens

Section 16: OTHER INFORMATION

Date of Preparation: November 26, 2013

Version: 2.2

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Disclaimer: We believe that the statements, technical information and recommendations contained in this Safety Data Sheet are true, but they are given without warranty of any kind. The information in this document applies to this specific substance as supplied. They may not be valid for this substance if it is used in combination with any other substance. It is the user's responsibility to ensure the relevance and completeness of this information for the particular use he will make of it. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products.

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End of Safety Data Sheet