

# Safety Data Sheet

According to 1907/2006/EC (REACH) and 1272/2008/EC (CLP)

Printing Date: 10/22/2018

Revision: 10/24/2018

**Trade Name: CXS-37R™ Clear Sealer**

## 1 Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade Name: CXS-37R™ Clear Sealer

### 1.2 Document No: SDS-461 – CXS-37R

### 1.3 Details of the supplier of the Safety Data Sheet Manufacturer/Supplier:

Elite Crete Systems  
1151 Transport Drive,  
Valparaiso, IN 46383  
Toll Free: 888.323.4445  
Tel: (219) 465-7671  
Fax: (219) 531-0898  
[www.elitecrete.com](http://www.elitecrete.com)

### 1.4 Emergency telephone number:

CHEMTREC US DOMESTIC: (800-424-9300)  
CHEMTREC INTERNATIONAL: (703-527-3887)  
CANUTEC, CA DOMESTIC: (613-996-6666)

## 2 Hazards identification

### 2.1 Classification of the substance or mixture

#### GHS Classification in accordance with CFR 1910 (OSHA HCS)

The product is not classified as hazardous according to EU parliament and councils directive 1999/45/EF.  
Skin sensitization. Category 1: (May cause sensitization by skin contact) R43 May cause sensitization by skin contact.

### 2.2 Label elements

#### Labeling according to Regulation (EC) No 1272/2008:

##### Hazard pictograms:

GHS07

**Signal word:** Warning

**Hazard Statement:** May Cause an allergic skin reaction

H code:

Acute Tox 4 H302

Skin Irrit. 2 H315

Eye Irrit. 2A H319

STOT SE 3 H335

P code:

P280:

P302+P352:

P333 +P313:

P501

#### Hazard statements

Harmful if swallowed

Causes skin irritation

Causes serious eye irritation

May cause respiratory irritation

#### Precautionary Statements

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

IF ON SKIN: Wash with plenty of soap and water.

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

Dispose of contents/container to waste disposal

Harmful if swallowed



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### Hazard description:

Canadian WHMIS Classification: none listed

### NFPA ratings (scale 0 - 4)



Health = 1  
Fire = 0  
Reactivity = 0

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

Health	1
Fire	0
Reactivity	0

Health = 1  
Fire = 0  
Reactivity = 0

### 2.3 Other hazards not otherwise classified (HNOC) or not covered by GHS

None known

## 3 Composition/information on ingredients

### 3.2 Mixture.

**Description:** Mixture of substances listed below with nonhazardous additives.

#### Hazardous components:

Identification #	Description	WT. %
CAS: 34590-94-8	Dipropylene glycol monomethyl ether	>1-9%
CAS: 1071-93-8	Adipic dihydrazide	15-28%
CAS: 7732-18-5	Water	62-64%

**Additional Information:** Additional H statements see Sec 16.

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### 4 First aid measures

#### 4.1 Description of first aid measures

**After inhalation:**

If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention if breathing difficulty continues.

**After skin contact:**

Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists. Remove contaminated clothing. Launder contaminated clothing before re-use.

**After eye contact:**

If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention.

**After swallowing:**

If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents. Give large amounts of water or milk to a CONSCIOUS PERSON. **Never give (milk or water) to someone who is unconscious**, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or MSDS with the victim to the health professional.

#### 4.2 Most important symptoms and effects, both acute and delayed.

**Acute:** This material may cause irritation to skin and eyes. Product may cause an allergic skin reaction.

**Chronic:** Prolonged or repeated skin contact may cause skin reaction product can be removed with water wash exposed skin thoroughly. Seek medical attention if symptoms arise. .

**Target Organs:**        **Acute:** Eye, Skin        **Chronic:** Skin

**Hazards:** Pre-existing skin or eye problems may be aggravated by exposure to this product.

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

Treat symptoms and reduce over-exposure.

### 5 Firefighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing agents:** not applicable

#### 5.2 Special hazards arising from the substance or mixture: no unusual explosion hazards

**Hazardous decomposition products** none known

**Flammability:** not flammable

Product does not burn use appropriate extinguishing measures and protective gear appropriate to source of fire.

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### 6 Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures:** Personnel should be trained for spill response operations.
- 6.2 Environmental precautions:** All work practices must be aimed at eliminating environmental contamination.
- 6.3 Methods and material for containment and cleaning up:** Evacuate area. Contain spill if safe to do so. Prevent entry into drains, sewers, and other waterways. Soak up spilled material with an absorbent material and pick up and place in an appropriate waste container for disposal. Do not mix with other wastes. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations).

### 7 Handling and storage

#### 7.1 Precautions for safe handling

As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing dust/vapors generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately.

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

##### Storage:

##### Requirements to be met by storerooms and receptacles:

Protect against frost

#### 7.3 Specific end use(s):

No information

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## 8 Exposure controls/personal protection

### Additional information about design of technical facilities:

Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above. Use local exhaust ventilation to control airborne dust/vapor. Ensure eyewash/safety shower stations are available near areas where this product is used.

### 8.1 Control parameters

#### Ingredients with limit values that require monitoring at the workplace:

Currently, International exposure limits are not established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

Chemical Name:	Type	Exposure Limit Values	Source
Dipropylene glycol monomethyl ether	PEL	100 ppm 600 mg/m <sup>3</sup>	US OSHA Table Z-1 Limits in Air Contaminants (29 CFR 1910.1000)(02 2006)
Dipropylene glycol monomethyl ether	TWA	100 ppm 600 mg/m <sup>3</sup>	US OSHA Table Z-1(29 CFR 1910.1000)1989
Dipropylene glycol monomethyl ether	STEL	150 ppm 900mg/m <sup>3</sup>	US OSHA Table Z-1(29 CFR 1910.1000)1989
Dipropylene glycol monomethyl ether	REL	100 ppm 600 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical Hazards (2010)

### 8.2 Exposure controls

#### Personal protective equipment:

##### General protective and hygienic measures:



The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

**Respiratory protection:** Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

**Protection of hands:** Use chemical resistant gloves to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

Protective gloves

##### Material of gloves:

The selection of suitable gloves does not only depend on the material, but also on the quality, and varies from manufacturer to manufacturer.

##### Penetration time of glove material:

The exact break through time has to be determined by the manufacturer of the protective gloves. DO NOT exceed the breakthrough time set by the Manufacturer.

**Eye protection:** Safety glasses or chemical goggles as appropriate to prevent eye contact. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards.



Tightly sealed goggles

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### 9 Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

##### General Information

<b>Appearance:</b>	Liquid
<b>Form:</b>	Milky White
<b>Color:</b>	Slight
<b>Odor:</b>	Not determined
<b>Odor threshold:</b>	No data

<b>pH-value:</b>	No data
<b>Change in condition</b>	Undetermined
<b>Melting point/Melting range:</b>	No data
<b>Boiling point/Boiling range:</b>	
<b>Flash point:</b>	201F (94C)
<b>Flammability (solid, gaseous):</b>	No data available
<b>Auto/Self-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Self-igniting:</b>	No data available
<b>Danger of explosion:</b>	Not applicable
<b>Explosion limits</b>	
<b>Lower + Upper:</b>	Not established
<b>Vapor pressure at: 68F (20C)</b>	No data available

<b>Density at 20°C:</b>	8.58 lbs. per gallon, specific gravity 1.03
<b>Vapor pressure:</b>	No data available
<b>Vapor density:</b>	No data available
<b>Evaporation rate:</b>	No data available

<b>Solubility in / Miscibility with Water:</b>	Dispersible
<b>Specific Gravity 23 C: (Water = 1):</b>	1.03 g/cm <sup>3</sup>
<b>Viscosity:</b>	
<b>Dynamic:</b>	No data available
<b>Kinematic:</b>	No data available
<b>Solvent content:</b>	
<b>Organic solvents:</b>	No data available
<b>9.2 Other information</b>	No data available

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### 10 Stability and reactivity

**10.1 Reactivity:** No data available

**10.2 Chemical stability:** Product is stable.

**Thermal decomposition / conditions to be avoided:** None known

**10.3 Possibility of hazardous reactions:** None known

**10.4 Conditions to avoid:** None known

**10.5 Incompatible materials:** None known.

**10.6 Hazardous decomposition products:** If stored and handled properly none known. At increased temperature acetic acid.

### 11 Toxicological information

**11.1 Information on toxicological effects:** Toxicity data is available for this product

**Acute toxicity:**

Not classified  
for acute  
toxicity based  
on available  
data.

**Primary irritant effect:** Contact with this product can be irritating to exposed skin and eyes.

**Sensitization:** This product is considered a skin sensitizer.

**Additional toxicological information:**

None of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC

**Reproductive toxicity information:**

No information available

**Carcinogenicity: IARC,ACGIH,NTP,OSHA:** no component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

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### 12 Ecological information

#### 12.1 Toxicity

##### Aquatic toxicity:

Product has not been tested for toxicity, but data obtained on similar products are summarized below. Results of single exposure (acute) toxicity studies conducted on similar materials indicate that this product is practically non toxic orally and after skin application.

**12.2 Persistence and degradability:** No data available

**12.3 Bio accumulative potential:**

N/A.

**12.4 Mobility in soil:** No data available

**General notes:** No specific data is available for this product, however this product is expected to be readily biodegradable (99-%)

**12.5 Results of PBT and vPvB assessment**

PBT.vPvB assessment not available, chemical assessment not required /not conducted

### 13 Disposal considerations

#### 13.1 Waste treatment methods

##### Recommendations:

Waste disposal must be in accordance with appropriate Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan. Recommended to contact local licensed professional waste disposal service.

**RCRA WASTE CODE:** None Listed

**EU WASTE CODE:** Not Listed

### 14 Transport information

#### 14.1 UN-Number

Not regulated

**IMDG:**

NOT DANGEROUS GOODS

**ADR, DOT, IATA, TGD**

#### 14.2 UN proper shipping name

**ADR, IMDG, IATA: DOT: TGD**

,not regulated

NOT DANGEROUS GOODS

#### 14.3 Transport hazard class(es)

**DOT**

**Class:**

NONE

**Label:**

**ADR, IMDG, IATA**

**Class:**

**Label:**

NONE



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<b>IMDG</b>	
Class:	
Label:	NONE
<b>IATA</b>	
Class:	
Label:	NONE
<b>14.4 Packing group</b>	
DOT, ADR, IMDG, IATA:	NONE
<b>14.5 Environmental hazards:</b>	
Marine pollutant:	This products ingredients are not classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)
<b>14.6 Special precautions for user</b>	
Danger code (Kemler):	No data available
EMS Number:	No data available
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:</b>	
	No data available
<b>Transport/Additional information</b>	
<b>ADR</b>	
Tunnel restriction code	No data available
UN "Model Regulation":	No data available

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### 15 Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture. United States (USA)

**SARA:** This product is not subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act.: None

**Section 355 (extremely hazardous substances):** None of the ingredients are listed.

**Section 313 (Toxic Release Inventory):** None of the ingredients are listed.

**TSCA (Toxic Substances Control Act):** All ingredients are listed.

#### Proposition 65 (California):

**Chemicals known to cause cancer:**  
None of the ingredients is listed.

#### Canada

**Canadian Domestic Substances List (DSL):**  
All ingredients are listed

**Canadian Ingredient Disclosure list (limit 0.1%):**  
None of the ingredients are listed.

**Canadian Ingredient Disclosure list (limit 1%):**  
None of the ingredients are listed.

#### CERCLA Hazardous Substance List (40CFR 302.4)

Chemical Identity	CAS#	Reportable quantity	Calculated
Sodium Bisulfite	7631-90-5	5000 lbs	50,000 lbs (22680kg)
Ammonium Hydroxide	1336-21-6	1000 lbs	50,000 lbs ( 22680 kg)

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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### 16 Other information

**Relevant phrases:**

**Acute Tox.** Acute Toxicity

**Aquatic Acute.** Acute aquatic toxicity

H302: Harmful if swallowed

H312: Harmful in contact with skin

H332: Harmful in contact with skin

H315: causes skin irritation

P code: **Precautionary Statements**

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

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P333 +P313: If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container to waste disposal

R21: Harmful in contact with skin

R34: Causes burns.

R43: May cause sensitization by skin contact

R52/53: Harmful to aquatic organisms may cause long-term adverse effects in the aquatic environment.

**Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation.

IATA: International Air Transport Association.

ACGIH: American Conference of Governmental Industrial Hygienists.

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).

LC50: Lethal concentration, 50 percent.

LD50: Lethal dose, 50 percent.