Section 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER

Product Name: RedGard® SpeedCoat™

Product Code: Not Available

1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

Product Use: Waterproofing Membrane

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEETS

Name/Address: Custom Building Products

3490 Piedmont Road, Suite 1300

Atlanta, GA 30305

Telephone Number: (562)-598-8808

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)

Flammable Liquid Category 3 **Skin Irritation** Category 2 **Serious Eye Damage** Category 1 **Skin Sensitization** Category 1B Specific Target Organ Toxicity—Single Exposure Category 3 Specific Target Organ Toxicity—Repeated Exposure Category 1 Carcinogenicity Category 1A **Reproductive Toxicity** Category 1

2.2 LABEL ELEMENTS ACCORDING TO OSHA HAZCOM2012

2.2a SIGNAL WORD:

DANGER!

2.2b HAZARD STATEMENTS

Flammable liquid and vapor Causes skin irritation Causes serious eye damage May cause an allergic skin reaction

May cause respiratory irritation

Causes damage to organs through prolonged or repeated exposure



May cause cancer May damage fertility or the unborn child (oral)

2.2c HAZARD PICTOGRAMS



2.2d PRECAUTIONARY STATEMENTS

i.	PREVENTION	Keep away from heat/sparks/open flames/hot surfaces. Wash hands thoroughly after handling. Do not breathe fume/vapors/spray. 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. Wear impervious gloves/protective clothing/eye protection/face protection. Contaminated work clothing must not be allowed out of the workplace.
ii.	RESPONSE	In case of fire: Use water to extinguish. If on skin: Wash with plenty of water. Take off contaminated clothing and wash it 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 exposed or concerned: Get medical advice/attention.
iii.	STORAGE	Store locked up. Store in a well-ventilated place. Keep cool. 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

12.5% 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 %
Calcium Carbonate	1317-65-3	30 – 60%*



Portland Cement	65997-15-1	5 – 10%*
Decamethylcyclopentasiloxane	541-02-6	3 – 7%*
Hexadecyltrimethoxysilane	16415-12-6	3 – 7%*
Trimethoxy vinylsilane	2768-02-7	3 – 7%*
2-Butoxyethanol	111-76-2	3 – 7%*
Crystalline Silica, Quartz	14808-60-7	0.1 – 1.0%*
Dibutyltin Diacetate	1067-33-0	0.1 – 1.0%*

^{*}Means that the component will fall into one the ranges specified due to batch-to-batch variability.

Section 4: FIRST-AID MEASURES

4.1 DESCRIPTION OF THE FIRST-AID MEASURES

ROUTES OF EXPOSURE	DESCRIPTION
Eye Contact:	In case of contact, immediately flush eyes with plenty of water for several 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.
Ingestion:	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 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. May cause cancer. May damage fertility or the unborn child.

Conforms to OSHA HazCom 2012 Standard and WHMIS

SAFETY DATA SHEET

4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Note to Physicians: Symptoms may not appear immediately.

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: Flammable by WHMIS/OSHA HAZCOM2012 Criteria

5.2 EXTINGUISHING MEDIA

5.2a. Suitable Extinguishing Media:

Carbon dioxide, dry chemicals or alcohol-resistant foam

5.2b. Unsuitable Extinguishing Media:

Water, halones

5.3 SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

5.3a. Products of Combustion:

Hazardous combustion products: carbon monoxide, carbon dioxide, silicon dioxide, formaldehyde.

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: Do not flush away with water. Dispose of unwanted material

properly in accordance with all local, regional, national and

international regulations.

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 fumes. Do not take internally. Good

housekeeping is important to prevent accumulation of dust.

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

tightly closed. Store at room temperature and keep containers closed when not in use. Avoid any dust buildup by frequent cleaning and suitable construction of the storage area.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETER

Exposure Guidelines

Occupational Exposure Limits		
Chemical Name	OSHA-PEL	ACGIH-TLV
Calcium Carbonate	5 mg/m³ (Resp.) 15 mg/m³ (Total)	2 mg/m³ (Resp.)
Portland Cement	5 mg/m³ (Resp.) 15 mg/m³ (Total)	10 mg/m³ (Resp.)
Decamethylcyclopentasiloxane	Not Available	Not Available
Hexadecyltrimethoxysilane	Not Available	Not Available
Trimethoxy vinylsilane	Not Available	Not Available
2-Butoxyethanol	50 ppm	20 ppm
Crystalline Silica, Quartz	10 mg/m³	0.025 mg/m ³
Dibutyltin Diacetate	0.1 mg/m³	0.2 mg/m ³

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 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:** Suitable respiratory equipment is highly recommended in poorly ventilated areas, or when permissible exposure limit 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.):	Red Liquid
Odor:	Characteristic
Odor Threshold:	Not available
pH:	Not available
Melting point/Freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flash point:	127°F (52.7°C)
Evaporation rate (Water=1):	Not available
Flammability:	Flammable, Category 3 in accordance to OSHA 2012 Hazcom Standard.
Upper Flammability/Explosive Limit:	Not available
Lower Flammability/Explosive Limit:	Not available
Vapor Pressure	Not available
Vapor Density:	Not available
Relative Density:	1.35 – 1.45 g/mL
Solubility in Water:	Not available
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition Temperature:	Not available
Viscosity (cps):	Not available
VOC Content:	81 g/L

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

Moisture and Heat.

10.5. INCOMPATIBLE MATERIALS

Reacts with water, bases and acids.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

If stored and handled properly: none known.

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 damage. 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. Ingestion may cause cancer.

Ingestion may damage fertility or the unborn child.

Acute Toxicity			
Chemical Name	LC50	LD50	
Calcium Carbonate	Not Available	Oral: 6,450 mg/kg, rat	
Portland Cement	Not Available	Not Available	
Decamethylcyclopentasiloxane	Inhalation: 8.67 mg/L, 4h, rat	Oral: >5,000 mg/kg, rat Dermal:>2,000 mg/kg, rat	
Hexadecyltrimethoxysilane	Not Available	Not Available	



Trimethoxy vinylsilane	Inhalation: 16.8 mg/L, 4h, rat	Oral: 7.178 mg/kg, rat Dermal: 3,200 mg/kg, rabbit
2-Butoxyethanol	Not Available	Oral: 880 mg/kg, rat Dermal: 1,060 mg/kg, rat
Crystalline Silica, Quartz	Not Available	Not Available
Dibutyltin Diacetate	Inhalation: 75 mg/L, rat	Oral: 913 mg/kg ,rat Dermal: 2,266 mg/kg, rat

Mixture ATE	Oral	Dermal	Inhalation
Calculated Data	3,120 mg/kg	>2,000 mg/kg	>20 mg/L

Carcinogenicity		
Chemical Name	Chemical Listed as Carcinogens or Potential Carcinogen (NTP,IARC,OSHA,ACGIH,CP65)	
Calcium Carbonate	Not Listed	
Portland Cement	ACGIH-A4	
Decamethylcyclopentasiloxane	Not Listed	
Hexadecyltrimethoxysilane	Not Listed	
Trimethoxy vinylsilane	Not Listed	
2-Butoxyethanol	I-3	
Crystalline Silica, Quartz	N-A2, I-1, O-1, ACGIH-A2, CP65	
Dibutylin Diacetate	Not Listed	

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

SHORT-TERM		
Skin Corrosion/Irritation:	Causes skin irritation	
Serious Eye Damage/Irritation:	Causes serious eye damage	
Respiratory Sensitization:	Not available	
Skin Sensitization:	May cause an allergic skin reaction	
STOT-Single Exposure:	May cause respiratory irritation	
Aspiration Hazard:	Not available	
LONG-TERM		
Carcinogenicity:	May cause cancer	
Germ Cell Mutagenicity:	Not available	
Reproductive Toxicity:	May damage fertility or the unborn child (oral)	
STOT-Repeated Exposure:	Causes damage to organs through prolonged or	
OTOT-Nepeated Exposure.	repeated exposure	
Synergistic/Antagonistic Effects:	Not available	

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
Calcium Carbonate	Not Available	Not Available
Portland Cement	Not Available	Not Available
Decamethylcyclopentasiloxane	Not Available	Not Available
Hexadecyltrimethoxysilane	Not Available	Not Available
Trimethoxy vinylsilane	169 mg/L, Daphnia magna	191 mg/L, Onocorhychus mykiss
2-Butoxyethanol	1,550 mg/L, Daphnia magna	1,474 mg/L, Oncorhychus mykiss
Crystalline Silica, Quartz	Not Available	Not Available
Dibutylin Diacetate	35-127 mg/L, Algae	Not Available

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)
UN NUMBER:	UN NUMBER:
UN1993	UN1993
UN PROPER SHIPPING NAME:	UN PROPER SHIPPING NAME:
Flammable Liquid, n.o.s.	Flammable Liquid, n.o.s.
(Trimethoxy vinylsilane,	(Trimethoxy vinylsilane,
decamethylcyclopentasiloxane)	decamethylcyclopentasiloxane)
TRANSPORT HAZARD CLASS (ES):	TRANSPORT HAZARD CLASS (ES):
3	3
PACKING GROUP (if applicable):	PACKING GROUP (if applicable):
,	

Conforms to OSHA HazCom 2012 Standard and WHMIS

SAFETY DATA SHEET

III	III	
Limited Quantity Exception <= 5L	Limited Quantity Exception <= 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: SDS prepared pursuant to the WHMIS 2015 standard.

US: SDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200)

HazCom 2012

15.2. US FEDERAL INFORMATION:

	SARA TITLE III			
CHEMICAL NAME	SECTION 302	SECTION 304	CERCLA RQ	SECTION 313
	(EHS) TPQ (LBS)	EHS RQ (LBS)	(LBS)	(TRI)
Calcium Carbonate	Not Listed	Not Listed	Not Listed	Not Listed
Portland Cement	Not Listed	Not Listed	Not Listed	Not Listed
Decamethylcyclopentasiloxane	Not Listed	Not Listed	Not Listed	Not Listed
Hexadecyltrimethoxysilane	Not Listed	Not Listed	Not Listed	Not Listed
Trimethoxy vinylsilane	Not Listed	Not Listed	Not Listed	Not Listed
2-butoxyethanol	Not Listed	Not Listed	500	10,000
Crystalline Silica, Quartz	Not Listed	Not Listed	Not Listed	Not Listed
Dibutylin Diacetate	Not Listed	Not Listed	Not Listed	Not Listed

15.3. US STATE RIGHT TO KNOW LAWS:

California Proposition 65:	WARNING! This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.
Other U.S. States "Right to Know" Lists:	
New Jersey:	Calcium carbonate: CAS#1317-65-3 Portland Cement: CAS#65997-15-1 Decamethylcyclopentasiloxane: CAS#541-02-6 Hexadecyltrimethoxysilane: CAS#16415-12-6 Trimethoxy vinylsilane: CAS#2768-02-7 2-Butoxyethanol: CAS#111-76-2 Silica, quartz: CAS#14808-60-7



	Methanol: CAS#67-56-1
Pennsylvania:	Calcium carbonate: CAS#1317-65-3
	Portland Cement: CAS#65997-15-1
	Decamethylcyclopentasiloxane: CAS#541-02-6
	Hexadecyltrimethoxysilane: CAS#16415-12-6
	Trimethoxy vinylsilane: CAS#2768-02-7
	2-Butoxyethanol: CAS#111-76-2
	Silica, quartz: CAS#14808-60-7
	Methanol: CAS#67-56-1
Massachusetts:	Calcium carbonate: CAS#1317-65-3
	Portland Cement: CAS#65997-15-1
	Decamethylcyclopentasiloxane: CAS#541-02-6
	Hexadecyltrimethoxysilane: CAS#16415-12-6
	Trimethoxy vinylsilane: CAS#2768-02-7
	2-Butoxyethanol: CAS#111-76-2
	Silica, quartz: CAS#14808-60-7
	Methanol: CAS#67-56-1
Minnesota:	Calcium carbonate: CAS#1317-65-3
	Portland Cement: CAS#65997-15-1
	Decamethylcyclopentasiloxane: CAS#541-02-6
	Hexadecyltrimethoxysilane: CAS#16415-12-6
	Trimethoxy vinylsilane: CAS#2768-02-7
	2-Butoxyethanol: CAS#111-76-2
	Silica, quartz: CAS#14808-60-7
	Methanol: CAS#67-56-1
Florida:	Not Available
Michigan:	Not Available

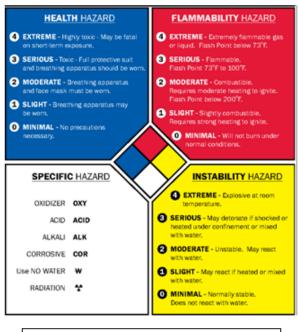
15.4. GLOBAL INVENTORIES

Chemical Name	USA TSCA	Canada DSL/NDSL
Calcium Carbonate	Yes	NDSL(*)
Portland Cement	Yes	DSL
Decamethylcyclopentasiloxane	Yes	DSL
Hexadecyltrimethoxysilane	Yes	DSL
Trimethoxy vinylsilane	Yes	DSL
2-butoxyethanol	Yes	DSL
Crystalline Silica, Quartz	Yes	DSL
Dibutylin Diacetate	Yes	DSL

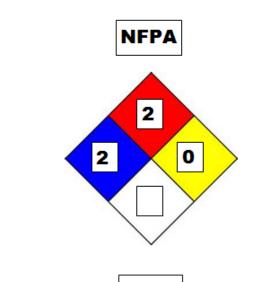
^{*}Exemption: Natural occurring chemical

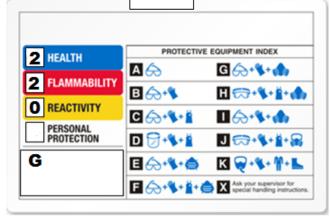


15.5. NFPA AND HMIS RATINGS:



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





HMIS

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. 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: July 19, 2016

Version: 1.0

Revision Date: N/A

Disclaimer: The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. 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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www.custombuildingproducts.com

End of Safety Data Sheet