1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Epoxy.com Product #680 Liquid, Epoxy.com Product #680 Winter Liquid
Product Description:	High Strength Acrylic-Based – Resin
Company:	Epoxy Systems, Inc.
Address:	20774 West Pennsylvania Ave.
	Dunnellon, FL 34431 USA
Emergency Telephone Number: 1-800-633-8253 (PERS)	
Date Prepared or Revised:	May 2013

For most current MSDS, please visit our website at www.epoxy.com

2. COMPOSITION / INFORMATION ON INGREDIENTS

CONTAINING: HAZARDOUS AND/OR REGULATED COMPONENTS

Chemical Name	Concentration	CAS	OSHA
	(Weight %)	Number	Hazard
Methyl Methacrylate	Proprietary	80-62-6	Yes

Composition Note: The remaining ingredients are designated as "trade secret".

3. HAZARDS IDENTIFICATION

<u>EMERGENCY OVERVIEW</u> <u>WARNING!</u> FLAMMABLE. MAY CAUSE EYE AND/OR SKIN IRRITATION. PROLONGED OR REPEATED EXPOSURE MAY CAUSE SKIN SENSITIZATION.

POTENTIAL HEALTH EFFECTS

Acute		
Eye Contact:	Exposure during handling may cause eye irritation, swelling, tearing, redness or cornea	
	damage.	
Skin Contact:	Exposure during handling may cause moderate irritation. May cause skin sensitization,	
	evidenced by rashes and hives.	
Inhalation:	Exposure to this product in excess of the applicable TVL or PEL may cause moderate	
	irritation to the nose and respiratory tract. May cause Central Nervous System	
	depression evidenced by headache, dizziness, and nausea.	
Ingestion:	Ingestion may cause may cause irritation to the gastrointestinal tract. May cause Central	
	Nervous System depression or other systemic effects.	
Systemic Effects:	Lungs, eyes, and skin.	
Chronic:	None known	
Medical Conditions which May be Aggravated by Inhalation or Dermal Exposure:		
	Persons with eye, skin or respiratory disorders or unusual (hyper) sensitivity to chemicals	
	may experience adverse reactions to this product.	

4. FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of cool water for at least 15 minutes while holding the eyes open. If redness, burning, blurred vision, or swelling persists, CONSULT A PHYSICIAN .
Skin Contact:	In case of contact, remove product and immediately wash affected area with plenty of soap and water for at least 5 minutes. Do not apply greases or ointments. Remove contaminated clothing. Clean contaminated clothing with soap and water before re-use. If redness, burning, or swelling persists, CONSULT A PHYSICIAN .
Ingestion:	DO NOT INDUCE VOMITING. Never administer anything by mouth to an unconscious person. Rinse out mouth with water, then drink sips of water to remove taste from mouth. CONSULT A PHYSICIAN . Do not leave victim unattended. If vomiting occurs spontaneously, lay victim on the side and keep head lower than waist to prevent aspiration.

	Epoxy.com Product #680 POLYMER CONCRETE MATERIAL SAFETY DATA SHEET
Inhalation:	If respiratory irritation or distress occurs, remove victim to fresh air. If breathing is difficult, give oxygen. If breathing stop, apply artificial respiration. CONSULT A PHYSICIAN.
Notes to Physician:	All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Water fog, carbon dioxide or dry chemical, aqueous foam.	
Fire And Explosion Hazards:	Hazardous gases/vapors produced are methyl methacrylate, carbon monoxide, carbon	
	dioxide, and smoke. Toxic and flammable vapors may be produced under combustion.	
	Sealed containers exposed to elevated temperatures may rupture explosively due to	
	polymerization. Vapors are heavier than air and may travel to ignition sources and flash	
	back. Do not allow run-off from fire fighting to enter drains or water courses.	
Fire Fighting Equipment and	Wear full protective clothing and self-contained breathing apparatus for fire fighting.	
Procedures:	Isolate fuel supply from fire. Use water spray to cool fire-exposed surfaces and	
	containers.	

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Use cautious judgment when cleaning up spill. Shut off leaks, if possible without personal risk. Wear suitable protective clothing, gloves and eye/face protection. Evacuate personnel to safe areas.
Environmental Precautions:	Construct a dike to prevent spreading. Keep out of sewers, storm drains, surface waters, and soils.
Clean-up Methods:	 Small spills: Soak up with absorbent material such as clay, sand or other suitable non-reactive material. Place in leak-proof containers. Seal tightly for proper disposal. Large spills: Approach suspected leak areas with caution. Create a dike or trench to contain material. Soak up with absorbent material such as clay, sand or other suitable non-reactive material. Place in leak-proof containers. Seal tightly for proper disposal.
Additional Information:	Notify authorities if any exposures to the general public or environment occur or are likely to occur. Dispose in accordance with federal, state, and local regulations.

7. HANDLING AND STORAGE		
Handling (Personnel):	To prevent skin and eyes contact under the foreseeable conditions of use, wear appropriate protective clothing and safety eyewear. When handling, do not eat, drink, or smoke. Wash thoroughly after handling. Avoid breathing fumes. Handle in a well- ventilated work area.	
Handling (Physical Aspects):	Close container after each use. Ground drum and bond to container to prevent static spark. Keep away from heat, sparks and flames.	
Storage:	Keep away from: acids, oxidizing agents, heat, or flames. Store in a cool, dry, well- ventilated area in closed containers. Protect containers from physical damage.	

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)
	Methyl Methacrylate	50 ppm	100 ppm
Engineering Controls:	Where engineering controls are indica exposure exists, the following tradition effectively minimize employee expos	onal exposure technic	
Eye Protection:	When engaged in activities where product could contact the eye, wear safety glasses with side shields, chemical splash goggles, or face shield.		
Skin Protection:	Skin contact should be minimized through use of Nitrile, neoprene or butyl gloves and suitable long sleeved clothing. Consideration must be given both to durability as well a permeation resistance.		

	Epoxy.com Product #680 POLYMER CONCRETE MATERIAL SAFETY DATA SHEET
Respirator Protection:	Avoid actions that cause dust exposure to occur. Use local or general ventilation to control exposures below applicable exposure limits. NIOSH or MSHA approved particulate filter respirators should be used in the context of respiratory protection program meeting the requirements of the OSHA respiratory protection standard [29 CFR 1910.134] to control exposures when ventilation or other controls are inadequate or discomfort or irritation is experienced. Respirator and/or filter cartridge selection should be based on American National Standards Institute (ANSI) Standards Z88.2 Practices for Respiratory Protection.
Ventilation:	Use local exhaust or general dilution ventilation to control exposure within applicable limits.
Work Practice Controls:	 Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet. Wash exposed skin promptly to remove accidental splashes or contact with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Liquid	Color:	Amber
Odor:	Strong acrid odor	Vapor Pressure:	N/E
Boiling Point:	N/E	Freezing Point:	N/E
Flash Point:	73°F (23°C) Closed Cup	Specific Gravity:	N/E
pH:	6.7	Solubility In Water:	N/E

10. STABILITY AND REACTIVITY

Stability: Conditions To Avoid:	Stable under normal conditions. Unstable with heat. Incompatible chemicals, heat and open flame.
Materials To Avoid:	Oxidizing and reducing agents.
Hazardous Decomposition Products:	Decomposes with heat. Combustion may produce carbon monoxide, carbon dioxide, aldehydes and smoke.
Hazardous Polymerization:	Polymerization can occur when exposed to excessive heat.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	
Oral (LD ₅₀ , Rat):	N/E
Dermal (LD ₅₀ , Rabbit):	N/E
Inhalation (LC ₅₀ , Rat):	N/E
Chronic Health Hazard:	Prolonged and/or repeated exposure to high levels of methyl methacrylate may lead to
	kidney, lung, liver, and heart damage. Respirable crystalline silica (quartz) can cause
	silicosis (scarring) of the lungs. Exposure to silica dust is not likely from normal use of
	product. Repeated or prolonged exposure may cause allergic reaction and/or limited
	sensitization
Carcinogenic Classification:	This product has ingredients that are listed as a carcinogen by one or more of the
	following NTP, OSHA, ACGIH or IARC.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	This product has not been evaluated.
Chemical Fate Information:	No data found for product.

13. DISPOSAL CONSIDERATIONS

Waste Disposal:	This material is a hazardous waste by RCRA criteria (40CFR 261). Dispose of container
	and unused contents in accordance to local, state and federal regulations.
Container Disposal Method:	Emptied container may contain product residue and should not be reused.

14. TRANSPORTATION INFORMATION

DOT/TDG	Single Packaging:	
	UN Number:	UN1866
	Proper Shipping Name:	Resin Solution
	Hazard Class:	3
	Packing Group:	III
	Label:	3 Flammable
IATA:	UN Number:	UN1866
	Proper Shipping Name:	Resin Solution
	Hazard Class:	3
	Packing Group:	III
	Label:	3 Flammable
IMO:	UN Number:	UN1866
	Proper Shipping Name:	Resin Solution
	Hazard Class:	3
	Packing Group:	III
	Flash Point:	23°C c.c
	Label:	3 Flammable

Based on the packaging size, the supplier may apply the basic description

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS:		
OSHA Hazard Communication Standard (29CFR 1910.1200):		
This product is considered a "haza	ardous chemical" under this regulation.	
Status Under Toxic Substances Contro	ol Act (TSCA) (40 CFR 710):	
All chemical(s) comprising this pr	oduct are either exempt or listed on the TSCA Inventory.	
EPA Reportable Quantities:		
Clean Water Act (40CFR Sectio	n 112): Not listed.	
CERCLA Hazardous Substance	e (40CFR Part 302, Table 302.4):	
Methyl Methacrylate CA	S # 80-62-6. RQ: 1000 lbs.	
EPCRA Extreme Hazardous Su	bstance (40CFR Section 302 Part 355): Not listed.	
Toxic Chemical Release Inventory (TR	RI) Reporting - (SARA Title III Section 313 (40 CFR 372)	
Component(s) above 'de minimus' leve	el): Methyl Methacrylate. CAS # 80-62-6.	
SARA Title III Hazard Classes (40CF)	R 370 Sections 311 and 312):	
Fire Hazard:	Yes	
Reactive Hazard:	Yes	
Release of Pressure: No		
Acute Health Hazard: Yes		
Chronic Health Hazard:	Yes	

US STATE REGULATIONS:

California - "Safe Drinking Water and Toxic Enforcement Act" (Proposition 65):

This product contains chemicals that are known to the State of California to cause cancer and/or reproductive toxicity and other harm.

Component	Regulation	% In Blend (approx.)	Remark
Silica Quartz	ACGIH	< 45	Carcinogenic

INTERNATIONAL REGULATIONS:

CANADIAN DSL/NDSL INVENTORY STATUS:

Components of this product are listed on the Canadian DSL or NDSL inventories.

CANADIAN WHMIS CLASSIFICATION and SYMBOLS:

Class B-4: Flammable Class D-2B: Material causing other toxic effects



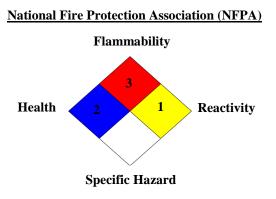


16. OTHER INFORMATION

HAZARD RATINGS:

Hazardous Material Information System (HMIS)





HMIS/NFPA Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme **Protective Equipment**: Safety glasses, gloves

This Material Safety Data Sheet (MSDS) is prepared by Epoxy Systems, Inc. in compliance with the requirements of OSHA 29 CFR Part 1910.1200. The information it contains is offered in good faith as accurate as of the date of this MSDS. This MSDS is provided solely for the purpose of conveying health, safety, and environmental information. No warranty, expressed or implied, is given. Health and Safety precautions may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations.

I. PRODUCT AND COMPANY IDENTIFICATION		
Company:	Company: Epoxy Systems, Inc.	
Address: 20774 West Pennsylvania Ave		
	Dunnellon, FL 34431	
Product Name: Epoxy.com Product #680 POWDER		
Product Description:	Polymer Concrete	
Emergency Telephone Number: 1-800-633-8253 (PERS)		

Date Prepared or Revised: May 2013

For most current MSDS, please visit our website at www.epoxy.com

COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Names	CAS
	Numbers
Crystalline Silica	14808-60-7

The remaining ingredients are designated as "trade secret".

III. <u>HAZARD IDENTIFICATION</u> EMERGENCY OVERVIEW

May cause serious eye and skin irritation or damage

When combined with water may cause moderate to severe alkali burns,

Contains material that may cause cancer from inhalation crystalline Silica (Quartz)

POTENTIAL HEALTH EFFECTS

ACUTE

ACUIE	
Eye Contact:	May cause eye irritation, swelling, tearing, redness or cornea damage
Skin Contact:	Moderate irritation. May cause skin sensitization, evidenced by
rashes and hives.	
Inhalation:	Moderate irritation to the nose and respiratory tract.
Ingestion:	May cause irritation to the gastrointestinal tract.
Systemic Effects:	Lungs, eyes, and skin.

IV. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of cool water for at least 15 minutes while holding the eyes open. If redness, burning, blurred vision, or swelling persists, **CONSULT A PHYSICIAN**.

Skin Contact: Remove product and immediately wash affected area with soap and water. Do not apply greases or ointments. Remove contaminated clothing. Wash clothing with

soap and water before reuse. If redness, burning, or swelling persists, **CONSULT A PHYSICIAN**. **Ingestion: Rinse mouth immediately. DO NOT INDUCE VOMITING**.

Inhalation: Remove patient to fresh air. If patient continues to experience difficulty breathing, CONSULT A PHYSICIAN.

V. FIRE-FIGHTING MEASURES

Flashpoint: N/A	Flammability: Does not ignite	
Suitable Extinguishing Medi	ia: Foam, water spray, dry powder, carbon dioxide	
Unsuitable Extinguishing Media for Safety Reasons: Water jet		
Additional Information:	Product itself is non-combustible. Only the packaging materials can	
	catch fire. The extinguishing agent normally used is sufficient.	
Hazards during Fire-Fighting: Carbon monoxide, carbon dioxide, harmful vapors, evolution of		
	fumes/fog. The substances/groups of substances mentioned can be	
	released in case of fire. Product is not combustible or explosive.	
Protective Equipment for Fire-Fighting: Wear self-contained breathing apparatus		

	1. ACCIDENTAL RELEASE MEASURES		
Personal Precautions:	Use cautious judgment when cleaning up spill. Shut off leaks, if		
	possible without personal risk. Wear suitable protective clothing,		
	gloves and eye/face protection. Evacuate personnel to safe areas.		
Environmental Precautions:	Construct a dike to prevent spreading. Keep out of sewers, storm		
	drains, surface waters, and soils.		
Clean-up Methods:			
Small spills:	Soak up with absorbent material such as clay, sand or other suitable		
	non-reactive material. Place in leak-proof containers. Seal tightly for		
	proper disposal.		
Large spills:	Approach suspected leak areas with caution. Create a dike or trench		
	to contain material. Soak up with absorbent material such as clay,		
	sand or other suitable non-reactive material. Place in leak-proof		
	containers. Seal tightly for proper disposal.		
Additional Information:	Notify authorities if any exposures to the general public or		
	environment occur or are likely to occur. Dispose in accordance with		
	federal, state, and local regulations		
Personal Precautions:	Avoid dust formation. Avoid contact with skin and eyes. Use		
	personal protective clothing. Handle in accordance with good		
	building Materials hygiene and safety practice.		
Environmental Precautions:	Do not discharge into drains/surface waters/groundwater.		
Cleanup:	Avoid raising dust. For small amounts: Pick up with suitable		
	appliance and dispose of. For large amounts: Pick up with suitable		
	appliance and dispose of. Pack in tightly closed containers for		
	disposal. For residues: Rinse with plenty of water.		

VI. ACCIDENTAL RELEASE MEASURES

VII. STORAGE AND HANDLING	
Handling General Advice:	Avoid dust formation. Avoid inhalation of dusts. Avoid skin contact. Pour downwind and allow as little free fall as possible while emptying bags into equipment. Breathing must be protected when large quantities are decanted without local exhaust ventilation.
Protection Against Fire and	Explosion: No special precautions necessary.
<u>Storage</u> General Advice:	Containers should be stored tightly sealed in a dry place.
Storage Incompatibility:	General advice: Segregate from metals. Segregate from acids.
	Segregate from lye. Segregate from oxidants. Segregate from foods

and animal feeds.

VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with Workplace Control Parameters

Crystaline Silica:	OSHA	TWA value 2.4 millions of particles per cubic foot of air Respirable:
•		The value is calculated from a specified equation using a value of
		100%. Lower values of % will give higher exposure limits.See
		regulation for specific equation.
		TWA value 0.1 mg/m3 Respirable:
		The value is calculated from a specified equation using a value of
		100%. Lower values of % will give higher exposure limits. See
		regulation for specific equiation.
		TWA value 0.3 mg/m3 Total Dust:
		The value is calculated from specified equation using a value of
		100%. Lower values of % will give higher exposure limits. See
		regulation for specific equation.
		TWA value 0.025 mg/m3 Pespirable fraction

ACGIH TWA value 0.025 mg/m3 Respirable fraction

Personal Protective Equipment		
Respiratory Protection :	Breathing protection if dusts are formed.	
Hand Protection:	Chemical resistant protective gloves, Manufacturer's directions for	
	use should be observed because of great diversity of types.	
Eye Protections:	Tightly fitting safety goggles (chemical goggles).	
Body Protections:	Body protection must be chosen based on level of activity and	
-	exposure.	
General Safety and Hygiene Measures: Avoid contact with skin, eyes and clothing. Avoid		
	inhalation of dusts. In order to prevent contamination while	
	handling, closed working clothes and working gloves should be used.	
	Handle in accordance with good building materials hygiene and	
	safety practice. When using, do not eat, drink or smoke. Hands	
	and/or face should be washed before breaks and at the end of the	
	shift. At the end of the shift, the skin should be cleaned and skin care	
	agents applied. Gloves must be inspected regularly and prior to each	
	use. Replace if necessary (e.g. pinhole leaks)	

IX. PHYSICAL AND CHEMICAL PROPERTIES

Form: Powder	Freezing Point:	N/E
Color: Tan	Flash Point:	N/A
Odor: Characteristic	Specific Gravity:	2.65 @ 75°F
Vapor Pressure: N. A.	Solubility In Water:	Insoluble
Melting Temperature: >1000°C		

Х.	<u>REACTIVITY DATA</u>		
	Stability:	Stable under normal storage conditions.	
	Condition to Avoid:	Avoid dust formation. Avoid humidity	
	Substance to Avoid:	Strong acids Strong bases, strong acids	
	Hazardous Reactions:	The product is stable if stored and handled as prescribed/indicated.	
		Strong bases are formed on the addition of water.	
e		No hazardous decomposition products if stored and handled as prescribed/indicated.	

XI. TOXICOLOGICAL PROPERTIES

Acute Oral (LD50, Rat):	N/E
Acute Dermal (LD ₅₀ , Rabbit):	N/E
Acute Inhalation (LC ₅₀ , Rat):	N/E
Chronic Health Hazard:	
Irritation / Corrosion:	N/E
	Information on: Crystaline Silica. Repeated inhalation exposure may affect certain organs. The substance may cause increase in lung mass and lung tissue changes after repeated inhalation. This product may contain greater than 0.1% crystalline silica. Repeated exposure to high concentrations results in silicosis, a lung disease characterized by coughing, difficult breathing, wheezing, scarring of the lungs, and repeated non-specific chest illnesses

Experiences in Humans:	Information on: Crystaline Silica May cause silicosis.	
Other Information:	Based on our experience and the information available, no adverse	
	health effects are expected if handled as recommended with suitable	
	precautions for designated uses. The product has not been tested.	
	The statements on toxicology have been derived from products of a	
	similar structure and composition.	

XII. DISPOSAL CONSIDERATIONS

Waste Disposal of Substance:	This material is not a hazardous waste by RCRA criteria (40
	CFR 261). Dispose of in accordance with local authority regulations.
	Do not discharge into drains/surface waters/groundwater.
Container Disposal:	Completely emptied packaging can be given for recycling.

XIII. TRANSPORTATION

DOT:	Not Regulated For Transport
ICAO/IATA:	Not classified as a dangerous good under transport regulations
IMO:	Not classified as a dangerous good under transport regulations

REGULATORY INFORMATION

Country	Regulatory List
USA	TSCA

EPA SARA Title III Section 312 (40 CFR 370) Hazardous Classification: Acute/Chronic

EPA SARA Title III Section 313 (40 CFR 372) Component(s) above 'de minimus' level: None.

US. California "Safe Drinking Water and Toxic Enforcement Act" (Proposition 65): This product contains a chemicals that are known to the State of California to cause cancer

Component	Regulation	Concentration	Remarks
Silicon Dioxide	ACGIH	Trace	Carcinogenic

XV. OTHER INFORMATION

HMIS	RATI	NG

Health	Flammability	Physical Hazard
2	0	1
N/C P	Not Established	

N/E – Not Established

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