Epoxy.com
Material Safety Data Sheet

OSHA's Hazard Communication Standard,
29 CFR 1910.1200.

IDENTITY: EPOXY.COM PRODUCT #1800Gray Brushable Polyurea Coating "A" Component

SECTION I

Manufacturer: Epoxy Systems, Inc.
Emergency Number: 1-800-633-8253 PERS
Address: 20774 W. Pennsylvania Ave. **Telephone Number:**352-489-1666
Dunnellon, FL 34431 **Date Prepared:** 6/2010

SECTION II – HAZARDOUS INGREDIENTS

Hazardous Components	CAS #	OSHA PEL	Hazard Limits	%
Homopolymer Polymer HDI	28182-81-2	N/D	.5% mg/m^3	80
Titanium Dioxide	13 463-67-7		10 mg/ m^3	10
Dibutyl Maleate	105-76-0		N/D	10

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Specific Gravity: 1.27 **Ph (1% solution)** N/D

Appearance and Odor: Gray liquid, mild odor **Volatility**: Low

Flash Point: (°f) (CLOSED CUP):>200 **Water Solubility:** Negligible (<1%)

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: (°F)(Method):>200 (CLOSED CUP)

Ignition Temp: (°F): N/D

Flammable Limits: (%): Lower N/D Upper N/D

Products evolved when subjected to heat or combustion: Isocyanate vapor and mist. Carbon Dioxide, Carbon Monoxide, Nitrogen Oxides and possible traces of Hydrogen Cyanide.

Recommended Fire Extinguishing Agents and Special Procedures: Carbon Dioxide, Dry Chemical, or Foam. If Water is used, it should be a very large quantity. The reaction between water and hot Isocyanate may be Vigorous.

Note: Down- Wind Personnel Must Be Evacuated. Fire Fighters Must Wear Positive Pressure Self-Contained Breathing Apparatus And Full Protective Clothing.

Unusual Or Explosive Hazards: Do Not Reseal Contaminated Containers As Pressure May Build Up And Rupture them.

SECTION V – REACTIVITY DATA

Stability: Stable Under Recommended Storage Conditions.

Incompatibility*:* Water, Acid, Base (Alkalies, Ammonia), Alcohols, Metal Compounds, Surface Active Material Avoid Water As It Reacts To Form Heat, C02 And Insoluble Urea.

Hazardous Decomposition Products: Isocyanate Vapor and Mist. Carbon Dioxide, Carbon Monoxide, Nitrogen Oxides And possible Traces Of Hydrogen Cyanide.

Hazardous Polymerization: May Occur With Incompatible Reactants (See Above). Especially Strong Bases And Water Or Temperature Over 320°F (160°C). Reaction with Water Is Gentle At Room Temperature Over 120°F (49°C) Accelerates Reaction Rate.

Conditions To Avoid: Stable Under Recommended Storage Conditions.

SECTION VI - HEALTH HAZARD DATA

Respiratory Protection: Wear MSHA/NIOSH Approved (Or Equivalent) Full Face piece Airline Respirator In

The Positive Pressure Mode With Emergency Escape Provisions. A Respiratory Protection Program That Meets OSHA 1910.134 And ANSI Z88.2 Requirements Must Be Followed Whenever Workplace Conditions Warrant A Respirator's Use.

Eye Protection: Use Chemical Splash Goggles.

Skin Protection: Use Impermeable Gloves To Minimize Skin Contact. Special Precautions Should Be Taken To Ensure That Material Cannot Get Inside Gloves. This Product May Be A Skin Sensitizer. Exposed Users Should Shower And Change To Clean Clothing After The Work Shift. Precautions Should Be Taken To Prevent Re-Exposure Of Sensitized Individuals. Personal Protective Equipment To Prevent Dermal Exposure Is Recommended.

Other Protective Equipment: A Safety Shower And Eye Wash Fountain Should Be Readily Available To Identify Additional Personal Protective Equipment (PPE) Requirements, It Is Recommended That A Hazard Assessment In Accordance With The OSHA PPE Standard (29 CFR 1910.132) Be Conducted Before Using This Product.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

The Following Personal Protection Is Recommended:

Safety Glasses; Coveralls:
Chemical Glasses: Gloves, Chem. Resist:
Supplied Air Mask: (for large spills or confined areas- unreacted material)

Eyes: Irrigate With Water For 15 Minutes Continuously. Consult Medical Personnel

Skin: Wash Off With Soap And Water.

Ingestion: This Product Has A Low Order Of Acute Oral Toxicity Based On Animal Data. May Be Harmful If Swallowed.

Ingestion: Remove To Fresh Air. If Not Breathing, Give Mouth To Mouth Resuscitation. If Breathing Difficult, Give Oxygen. Consult Medical Personnel.

SECTION VIII - CONTROL MEASURES

Exposure Guidelines(S):	**Value**	**Limit**	**Reference**
HDI polymeric diisocyanate	**0.005 ppm**	**TWA**	**OSHA / ACGIH**

Ventilation: General And / Or Local Exhaust To Control To Below The Exposure Guidelines.

Spill Control And Disposal: Contain Spill. Avoid Personal Contact. Wipe Up Or Absorb With Suitable Material For Disposal. Dispose Of Unused Material In A Suitable Manner.

RCRA Waste: No **RCRA Classification:** N/A

Storage And Handling: Store Indoors At 50-96°f In The Original Unopened Containers. Protect From Atmospheric Moisture. Replace Outage With Inert Dry Gas-Nitrogen Or Desiccated Dry Air.

Other Precautions: Misuse Of Empty Containers Can Be Hazardous. Empty Containers Can Be Hazardous If Used To Store Toxic, Flammable, Or Reactive Materials. Cutting Or Welding Of Empty Containers Might Cause Fire, Explosion Of Toxic Fumes From Residues. Do Not Pressurize Or Expose To Open Flame Or Heat.

Section IX- ADDITIONAL INFORMATION

1. Title III Section .311- Hazard Categorization
   Acute:
   Chronic:
   Reactive

N/A = Not Applicable N/D = Not Determined N/E = Not Established

EPOXY.COM
Material Safety Data Sheet

OSHA's Hazard Communication Standard,
29 CFR 1910.1200.

IDENTITY: EPOXY.COM PRODUCT #1800 Gray Brushable Polyurea Coating "B" Component

SECTION I

Manufacturer: Epoxy Systems, Inc.
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Address: 20774 W. Pennsylvania Ave. **Telephone Number:** 352-489-1666
Dunnellon, FL 34431 **Date Prepared:** 6/2010

SECTION II - HAZARDOUS INGREDIENTS

Hazardous Components	CAS #	OSHA PEL	Hazard Limits	%
Aspartic Ester	specific chemical identity is withheld as a trade secret	ACGIH: N/E	N/E	100%

NJTSRN (31765300002) – 7031P

The following two components are residuals in this product. However, during processing of this product these residual components may be released. For human health effects refer to Section 3 of the msds.

Monoaspartate (Residual)	unavailable	N/E	1 – 8%	ACGIH: N/E
Aliphatic Carboxylic Ester (Residual	623-91-6	N/E	1 – 5%	ACGIH: N/E

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

Specific Gravity: 1.07 **Ph (1% solution)** N/D

Appearance and Odor: Amber liquid, mild odor **Volatility**: Low

Flash Point: (°F) (CLOSED CUP):>200 **Water Solubility:** Negligible (<1%)

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: (°F)(Method):>200

Ignition Temp: (°F): N/D

Flammable Limits: (%): Lower N/D Upper N/D.

Products Evolved When Subjected To Heat Or Combustion:. Carbon Dioxide, Carbon Monoxide, And Ammonia May Be Formed And Burning In Limited Air Supply.

Recommended Fire Extinguishing Agents and Special Procedures: Water, Dry Chemical, Foam Or Carbon Dioxide, Water And Foam May Cause Frothing. Use Water To Cool Fire Exposed Containers.

Unusual Or Explosive Hazards: None

SECTION V - REACTIVITY DATA

Stability: Stable Under Recommended Storage Conditions.

Conditions To Avoid: None

Incompatibility*:* Strong oxidizing

Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide, And Ammonial May Be Formed On Burning In Limited Air Supply.

Hazardous Polymerization: Will Not Occur.

SECTION VI - HEALTH HAZARD DATA

Eye Protection: May Cause Extreme Eye Irritation.

Skin Contact: May Be Only Slightly Irritating To Corrosive.

Skin Absorption: Expected To Be Somewhat Toxic By Dermal Absorption.

Ingestion: Harmful If Swallowed.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

The Following Personal Protection Is Recommended:

Safety Glasses: Protective Apron:
Chemical Glasses: Coveralls:
Face Shield: Gloves, Chem. Resist:
Supplied Air Mask: (for large spills or confined areas-unreacted material)

Eyes: Flush With Plenty Of Water For 15 Minutes. Consult Medical Personnel.

Skin: Wash Off With Soap And Water. Consult Medical Personnel.

Ingestion: **DO NOT** Induce Vomiting. Give Large Quantities Of Water. Consult Medical Personnel.
Inhalation: Remove To Fresh Air. If Not Breathing, Give Mouth To Mouth Resuscitation. If Breathing Is Difficult, Give Oxygen. Consult Medical Personnel.

SECTION VIII - CONTROL MEASURES

Ventilation: Normal

Spill Control And Disposal: Avoid Personal Contact. Wipe Up Or Absorb With Suitable Material For Disposal. Dispose Of As Industrial Local, State And Federal Regulations.

RCRA Waste: No **RCRA Classification:** N/A

Storage And Handling: Minimum Storage Temperatures Are Recommended. If Stored Above 100°F, A N2 Atmosphere Is Recommended. Avoid Water Contamination.

Other Precautions: Misuse Of Empty Containers Can Be Hazardous. Empty Containers Can Be Hazardous If Used To Store Toxic, Flammable, Or Reactive Materials. Cutting Or Welding Of Empty Containers Might Cause Fire, Explosion Of Toxic Fumes From Residues. Do Not Pressurize Or Expose To Open Flame Or Heat.

Section IX- ADDITIONAL INFORMATION

1.Title III Section 302/304- Extremely Hazardous Substance
Component: None
2. CERCLA SEC 1-2 (a)- Hazardous Substance
Component: None
3. Title III Sec. 311 Hazard Categorization
immediate health hazard
4. Title III Sec. 313- Toxic Chemicals
Component: None

N/A = Not Applicable N/D = Not Determined N/E = Not Established