



This MSDS is prepared in accordance with OSHA 1910.1200, Canadian WHMIS, and ANSI .

	WHMIS Class D-2B: Material causing other toxic effects (TOXIC).	HCS Class: Irritating substance.
WHMIS (Pictograms)	WHMIS (Classification)	HCS

**Section 1. Chemical Product and Company Identification**

<b>Product Name/ Trade name</b>	<b>Commercial Catalyzed Sealer</b>	<b>Code</b>	<b>B0657</b>
<b>Synonym</b>	Not available.	<b>CAS #</b>	Mixture.
<b>Chemical Family</b>	Paint.	<b>Validation Date</b>	10/16/2008
<b>Chemical Formula</b>	Not applicable.	<b>Print Date</b>	10/16/2008
<b>Manufacturer/ Supplier</b>	Basic Coatings 1001 Brown Avenue Toledo, Ohio (800) 247-5471	<b>In Case of Emergency</b>	CHEMTREC (800) 424-9300
<b>TSCA</b>	TSCA Inventory: All components listed or are exempt from listing.		
<b>DSL/ NDSL</b>	All components listed unless noted elsewhere on this MSDS		
		<b>Protective Clothing</b> 	

**Section 2. Composition and Information on Ingredients**

Name	CAS #	% by Weight	Exposure Limits	LC <sub>50</sub> /LD <sub>50</sub>
Dipropylene Glycol Butyl Ether	29911-28-2	1 - 5	Not available.	Not available.
Dipropylene Glycol Methyl Ether	34590-94-8	1 - 5	<b>ACGIH TLV (United States).</b> TWA: 100 ppm 8 hour(s). STEL: 150 ppm 15 minute(s). <b>OSHA PEL (United States).</b> TWA: 100 ppm 8 hour(s). <b>ACGIH TLV (United States).</b> TWA: 100 ppm 8 hour(s).	Not available.
Tributoxyethyl Phosphate	78-51-3	1 - 5	Not available.	Not available.
N-Methyl-2-Pyrrolidone	872-50-4	1 - 5	Not available.	Not available.

**Section 3. Hazards Identification**

<b>Potential Acute Health Effects</b>	Hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.
<b>Potential Chronic Health Effects</b>	Repeated skin exposure can produce local skin destruction, or dermatitis. Over-exposure by inhalation may cause respiratory irritation.
<b>Carcinogenic Effects</b>	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

#### **Section 4. First Aid Measures**

<b>Eye Contact</b>	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>Skin Contact</b>	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Ingestion</b>	Contact a poison control center immediately for treatment advice. Do not induce vomiting unless instructed to do so by poison control center or doctor. Take small sips of water if able to swallow. Do not give anything by mouth to an unconscious person.

#### **Section 5. Fire Fighting Measures**

<b>Products of Combustion</b>	Not available.
<b>Fire Fighting Media and Instructions</b>	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
<b>Special Remarks on Fire Hazards</b>	Not available.
<b>Special Remarks on Explosion Hazards</b>	Not available.

#### **Section 6. Accidental Release Measures**

<b>Small Spill and Leak</b>	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
<b>Large Spill and Leak</b>	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Dike spill area and do not allow product to reach sewage system and surface or ground water. Provide notification of any reportable spill to authorities. (See Section 12 for environmental risks and 13 for disposal information.)
<b>Personal Protection in Case of a Large Spill</b>	Splash goggles. Gloves. Boots. Vapor respirator. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

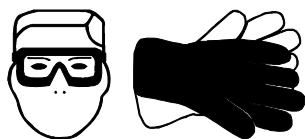
#### **Section 7. Handling and Storage**

<b>Precautions</b>	Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin and eyes.
<b>Incompatibility</b>	Not available.
<b>Storage</b>	Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 48.889°C (120°F).

#### **Section 8. Exposure Controls/Personal Protection**

<b>Engineering Controls</b>	Good general ventilation should be sufficient to control airborne levels. Ensure that eyewash stations and safety showers are proximal to the work-station location.
<b>Personal Protection</b>	
<i>Eyes</i>	Splash goggles.
<i>Body</i>	Long Sleeves and pants to avoid skin contact.
<i>Respiratory</i>	A respirator is not needed under normal and intended conditions of product use. Wear appropriate respirator when ventilation is inadequate. Be sure to use a MSHA/NIOSH approved respirator or equivalent.
<i>Hands</i>	Gloves.

Protective Clothing  
(Pictograms)



Exposure Limits

See Section 2 For Applicable Exposure Limits

### Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.	Odor	Characteristic.
Molecular Weight	Not applicable.	Taste	Not available.
pH	Not available.	Color	White.
Boiling/Condensation Point	183.89°C (363°F)		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	Not available.		
Vapor Pressure	Not available.		
Vapor Density	Not available.		
Volatility	>60%		
VOC			
Evaporation Rate	Not available.		
Dispersion Properties	Not available.		
Solubility	Miscible in water.		
The Product is:	May be combustible at high temperature.		
Auto-ignition Temperature	Not available.		
Flash Points	Closed cup: >176.67°C (350°F).		
Flammable Limits	Not available.		
Fire Hazards in Presence of Various Substances	Not available.		
Explosion Hazards in Presence of Various Substances	Not available.		

### Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substances	Not available.
Hazardous Decomposition Products	Not available.

### Section 11. Toxicological Information

Routes of Entry	Dermal contact. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	LD50: Not available. LC50: Not available.
Acute Effects on Humans	<p><i>Eyes</i> Hazardous in case of eye contact (irritant).</p> <p><i>Skin</i> Sensitization of the product: Not available. Hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.</p> <p><i>Inhalation</i> Hazardous in case of inhalation.</p> <p><i>Ingestion</i> Harmful if swallowed.</p>
Chronic Effects on Humans	Repeated skin exposure can produce local skin destruction, or dermatitis. Over-exposure by inhalation may cause respiratory irritation.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.

### Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Not available.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	Not available.

### Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream	Not available.

### Section 14. Transport Information

DOT (U.S.A)  
(Pictograms)



TDG Classification

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PIN UN, Proper Shipping Name, PG Not applicable.

Maritime Transportation Not available.

Special Provisions for Transport Not available.

### Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification) WHMIS Class D-2B: Material causing other toxic effects (TOXIC).



Regulatory Lists No products were found.

Other Regulations Not available. or of its ingredients

#### Other Classifications

**HCS (U.S.A.)** HCS Class: Irritating substance.

**USA Regulatory Lists** **WARNING:** This product contains chemical(s) known to the state of California to cause cancer, birth defects or other reproductive harm: Acrylonitrile; N-Methyl-2-Pyrrolidone

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: N-Methyl-2-Pyrrolidone  
SARA 313 toxic chemical notification and release reporting: N-Methyl-2-Pyrrolidone 3.54%

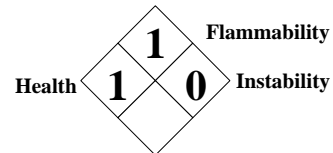
**DSD (EEC)** This product is not classified according to the EU regulations.

**International Regulations Lists** No products were found.

#### Hazardous Material Information System (U.S.A.)

Health	1
Flammability	1
Physical Hazard	0

**National Fire Protection Association (U.S.A.)**



The Hazard Ranking systems presented on this MSDS provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product.

### Section 16. Other Information

Validated by LMorsch on 10/16/2008.

Verified by LMorsch.

Printed 10/16/2008.

**Information Contact** Basic Coatings  
1001 Brown Avenue  
Toledo, Ohio  
(800) 247-5471

#### Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



This MSDS is prepared in accordance with OSHA 1910.1200, Canadian WHMIS, and ANSI .

	<p>Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F). Class D-2B: Material causing other toxic effects (TOXIC).</p>	<p>HCS Class: Irritating substance. HCS Class: Combustible liquid IIIA having a flash point between 60.0°C (140°F) and 93.3°C (200°F).</p>
WHMIS (Pictograms)	WHMIS (Classification)	HCS

## Section 1. Chemical Product and Company Identification

<b>Product Name/ Trade name</b>	<b>2X Catalyst</b>	<b>Code</b>	<b>B0666</b>
<b>Synonym</b>	Not available.	<b>CAS #</b>	Mixture.
<b>Chemical Family</b>	Not available.	<b>Validation Date</b>	10/16/2008
<b>Chemical Formula</b>	Not applicable.	<b>Print Date</b>	10/16/2008
<b>Manufacturer/ Supplier</b>	Basic Coatings 1001 Brown Avenue Toledo, Ohio (800) 247-5471	<b>In Case of Emergency</b>	CHEMTREC (800) 424-9300
<b>TSCA</b>	TSCA Inventory: All components listed or are exempt from listing.		
<b>DSL/ NDSL</b>	All components listed unless noted elsewhere on this MSDS		
<b>Protective Clothing</b>			

## Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC <sub>50</sub> /LD <sub>50</sub>
Polyfunctional Aziridine 2-Propoxyethanol	64265-57-2 2807-30-9	50 - 100 10 - 25	Not available. <b>ACGIH TLV (United States). Skin</b> TWA: 25 ppm 8 hour(s).	Not available. Not available.

## Section 3. Hazards Identification

<b>Potential Acute Health Effects</b>	May cause severe eye irritation. Skin irritation. May cause skin sensitization. Harmful if swallowed. Irritating to mouth, throat and stomach.
<b>Potential Chronic Health Effects</b>	Severely irritating to the eyes. May aggravate existing skin conditions. May cause sensitization by skin contact. May aggravate existing respiratory conditions. May cause sensitization by inhalation.
<b>Carcinogenic Effects</b>	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH. Mutagenic in test systems.

## Section 4. First Aid Measures

<b>Eye Contact</b>	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.
<b>Skin Contact</b>	In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

<b>Ingestion</b>	Contact a poison control center immediately for treatment advice. Do not induce vomiting unless instructed to do so by poison control center or doctor. Take small sips of water if able to swallow. Do not give anything by mouth to an unconscious person.
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### Section 5. Fire Fighting Measures

<b>Products of Combustion</b>	carbon oxides (CO, CO <sub>2</sub> ) nitrogen oxides (NO, NO <sub>2</sub> ...)
<b>Fire Fighting Media and Instructions</b>	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
<b>Special Remarks on Fire Hazards</b>	Combustible when exposed to heat or flame.
<b>Special Remarks on Explosion Hazards</b>	No additional remark.


### Section 6. Accidental Release Measures

<b>Small Spill and Leak</b>	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.
<b>Large Spill and Leak</b>	Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see Section 8). Absorb with an inert material and put the spilled material in an appropriate waste disposal.
<b>Personal Protection in Case of a Large Spill</b>	Splash goggles. Full suit. Boots. Gloves. Vapor respirator.

### Section 7. Handling and Storage

<b>Precautions</b>	Keep away from heat. Do not ingest. Avoid contact with skin and eyes. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Keep away from incompatibles such as oxidizing agents, acids, alkalis.
<b>Incompatibility</b>	Highly reactive with oxidizing agents, acids. Reactive with alkalis.
<b>Storage</b>	Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Keep away from direct sunlight or strong incandescent light.

### Section 8. Exposure Controls/Personal Protection

<b>Engineering Controls</b>	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.
<b>Personal Protection</b>	<p><i>Eyes</i> Splash goggles.</p> <p><i>Body</i> Long Sleeves and pants to avoid skin contact.</p> <p><i>Respiratory</i> Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.</p> <p><i>Hands</i> Gloves.</p>
<b>Protective Clothing (Pictograms)</b>	
<b>Exposure Limits</b>	See Section 2 For Applicable Exposure Limits



## Section 9. Physical and Chemical Properties

<b>Physical State and Appearance</b>	Liquid.	<b>Odor</b>	Amine like.
<b>Molecular Weight</b>	Not applicable.	<b>Taste</b>	Not available.
<b>pH</b>	Not available.	<b>Color</b>	Amber.
<b>Boiling/Condensation Point</b>	153.33°C (308°F)		
<b>Melting/Freezing Point</b>	Not available.		
<b>Critical Temperature</b>	Not available.		
<b>Instability Temperature</b>	Not available.		
<b>Specific Gravity</b>	1.0416 (Water = 1)		
<b>Vapor Pressure</b>	Not available.		
<b>Vapor Density</b>	Not available.		
<b>Volatility</b>	Not available.		
<b>VOC</b>	Not available.		
<b>Evaporation Rate</b>	>1 compared to Butyl acetate.		
<b>Dispersion Properties</b>	See solubility in water.		
<b>Solubility</b>	Partially soluble in cold water, hot water.		
<b>The Product is:</b>	Combustible.		
<b>Auto-ignition Temperature</b>	Not available.		
<b>Flash Points</b>	Closed cup: >65.556°C (150°F).		
<b>Flammable Limits</b>	Not available.		
<b>Fire Hazards in Presence of Various Substances</b>	Not available.		
<b>Explosion Hazards in Presence of Various Substances</b>	Containers may explode when heated		

## Section 10. Stability and Reactivity Data

<b>Stability</b>	The product is stable.
<b>Incompatibility with Various Substances</b>	Highly reactive with oxidizing agents, acids. Reactive with alkalis.
<b>Hazardous Decomposition Products</b>	Not available.

### Section 11. Toxicological Information

<b>Routes of Entry</b>	Dermal contact. Eye contact. Inhalation. Ingestion.
<b>Toxicity to Animals</b>	LD50: Not available. LC50: Not available.
<b>Acute Effects on Humans</b>	<p><i>Eyes</i> May cause severe eye irritation.</p> <p><i>Skin</i> Irritating to skin. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. May cause skin sensitization.</p> <p><i>Inhalation</i> Hazardous in case of inhalation. Irritating to respiratory system. Causes sensitization by inhalation.</p> <p><i>Ingestion</i> Hazardous in case of ingestion. Irritating to mouth, throat and stomach.</p>
<b>Chronic Effects on Humans</b>	Severely irritating to the eyes. May aggravate existing skin conditions. May cause sensitization by skin contact. May aggravate existing respiratory conditions. May cause sensitization by inhalation.
<b>Special Remarks on Toxicity to Animals</b>	Not available.
<b>Special Remarks on Chronic Effects on Humans</b>	Not available.

### Section 12. Ecological Information

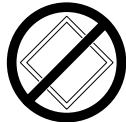
<b>Ecotoxicity</b>	Not available.
<b>BOD5 and COD</b>	Not available.
<b>Products of Biodegradation</b>	Not available.
<b>Toxicity of the Products of Biodegradation</b>	Not available.
<b>Special Remarks on the Products of Biodegradation</b>	Not available.

### Section 13. Disposal Considerations

<b>Waste Information</b>	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
<b>Waste Stream</b>	Not available.

### Section 14. Transport Information

**DOT (U.S.A)  
(Pictograms)**



**TDG Classification**

Not Regulated.



**PIN UN, Proper Shipping Name, PG** Not available.

Maritime Transportation Not available.

Special Provisions for Transport Not available.

### Section 15. Other Regulatory Information and Pictograms

**WHMIS (Classification)** Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).  
Class D-2B: Material causing other toxic effects (TOXIC).



**Regulatory Lists** No products were found.

**Other Regulations** OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

**Other Classifications** **HCS (U.S.A.)** HCS Class: Irritating substance. HCS Class: Combustible liquid IIIA having a flash point between 60.0°C (140°F) and 93.3°C (200°F).

**USA Regulatory Lists** No products were found.  
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, which would require a warning under the statute: 2-Methylaziridine.  
SARA 302/304/311/312 hazardous chemicals: 2-Propoxyethanol  
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: 2-Propoxyethanol: Fire hazard, Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard  
SARA 313 toxic chemical notification and release reporting: 2-Propoxyethanol 25%  
CERCLA: Hazardous substances.: 2-Propoxyethanol;

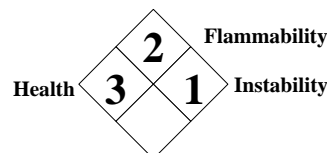
**DSD (EEC)** This product is not classified according to the EU regulations.

**International Regulations Lists** No products were found.

**Hazardous Material Information System (U.S.A.)**

Health	*	3
Flammability		2
Physical Hazard		1

**National Fire Protection Association (U.S.A.)**



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### Section 16. Other Information

Validated by LMorsch on 10/16/2008.

Verified by LMorsch.

Printed 10/16/2008.

**Information Contact** Basic Coatings  
1001 Brown Avenue  
Toledo, Ohio  
(800) 247-5471

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