

# MSDS Material Safety Data Sheet

UNITEX

PRO-POXY 100

MSDS Number: 1010

Revision Date: 7/18/2008

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## PRODUCT AND COMPANY IDENTIFICATION

### Manufacturer

UNITEX

3101 Gardner Ave.  
Kansas City, MO 64120

**Contact:** Technical Services  
**Telephone Number:** 816-231-7700  
**FAX Number:** 816-483-3149  
**E-Mail:** mail@unitex-chemicals.com  
**Web:** www.unitex-chemicals.com

**Product Name:** PRO-POXY 100  
**Revision Date:** 7/18/2008  
**MSDS Number:** 1010  
**Common Name:** Polyamines  
**Product Code:** PRO-POXY 100  
**Chemical Family:** Polyamines  
**Synonyms:** Amines Liquid Corrosive  
**Product Use:** Injection Resin & Mortar Binder

Chemtrec Emergency Telephone No.: 800-424-9300

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## HAZARDS IDENTIFICATION

**Route of Entry:** Eyes, Skin, Swallowing, Inhalation  
**Target Organs:** None Known  
**Inhalation:** May cause irritation to nose and throat.  
**Skin Contact:** May cause irritation and dermatitis.  
**Eye Contact:** May cause irritation, sensitization and may lead to eye damage.  
**Ingestion:** May cause irritation of the mouth, stomach and sensitization.

	OSHA PEL	ACGUG TLV
Component A		
25068385	NE	NA
2461156	NE	NE
Component B		
694837	NE	NE
68411905	NE	NE
140318	NE	NE
84852153	NE	NE
90722	10 mg/m3	5 mg/m3

None of the remaining components are considered a hazardous material or carcinogen (1910.1200 Hazard Communication (d) 4).

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## 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Chemical Name	Perc.
Component A		
25068386	Modified Bisphenol A/Epoxy Resin	>83%
2461156	Aliphatic Glycidyl Ether	<17%
Component B		
Trade Secret	Amine Blend containing one or more of the following:	
694837		>90%
84852153		
90722	2,4,6 Tri(dimethylaminomethyl)phenol	<10%

## 4 FIRST AID MEASURES

<b>Inhalation:</b>	If respiratory irritation occurs, go to fresh air. Flood work area with fresh air. If irritation continues seek medical attention.
<b>Skin Contact:</b>	Remove contaminated clothing and shoes. Wash affected area(s) thoroughly with soap and water. If irritation persists, seek medical attention. SOLVENTS SHOULD NOT BE USED because they carry the irritant into the skin.
<b>Eye Contact:</b>	Flush the eyes with plenty of water for at least 15 minutes. If necessary, gently hold open eyelids during the flush. Immediately seek medical attention.
<b>Ingestion:</b>	Obtain immediate medical attention. Do not induce vomiting. Should vomiting occur, be sure to keep victim's head below hips to avoid aspiration of vomitus into the lungs.

## 5 FIRE FIGHTING MEASURES

<b>Flash Point:</b>	>200F
<b>Flash Point Method:</b>	Pensky Martens Closed Cup Method
<b>Burning Rate:</b>	No data available
<b>Autoignition Temperature:</b>	No data available
<b>LEL:</b>	NA
<b>UEL:</b>	NA

Special Fire Fighting Procedures: None. Avoid breathing smoke. NFPA Class B-C extinguisher (dry chemical or foam) for class 1C fires. Water spray may be ineffective on fire but can protect fire-fighters and cool closed containers. Use fog nozzels if water is used. Use supplied breathing masks.

## 6 ACCIDENTAL RELEASE MEASURES

**SMALL SPILLS:** Absorb with an inert material (sand, vermiculite, etc.). Sweep or scoop up and put into disposal containers. Flush area immediately with water (prevent water from entering waterways).

**LARGE SPILLS:**

Containment: For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

Clean-up: Absorb with an inert material (sand, vermiculite, etc.). Sweep or scoop up into disposal containers. Flush area immediately with water (prevent water from entering waterways).

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area or until spill clean-up has been completed.

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## 7 HANDLING AND STORAGE

**Handling Precautions:** For professional use only. Avoid eye/skin contact. Wash after using and before eating or smoking. Avoid breathing vapors. Use as directed. Avoid uncontrolled mixing with other mixtures (strong acids, bases and oxidizers). Respiratory protection is required when ventilation is inadequate. NIOSH/OSHA approved respirators should be provided and worn.

**Storage Requirements:** Store in a cool/dry location. Do not allow material to freeze, as product may be damaged. Store away from sparks and open flames.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:**  
**Protective Equipment:** VENTILATION: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs. Local exhaust ventilation is preferred because it prevents containment dispersion into the work area controlling it at its source.

RESPIRATORY PROTECTION: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear OSHA/NIOSH approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne containment, and presence of sufficient oxygen.

PROTECTIVE CLOTHING/EQUIPMENT: Wear chemically protective gloves, boots, aprons to prevent prolonged or repeated skin contact. Wear protective goggles and face shield, per OSHA eye and face protection regulations (29 CFR 1910.133).

CONTAMINATED EQUIPMENT: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your work shoes and clean personal protective equipment.

**Exposure Guidelines/Other:** This material is not listed by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	A-Clear B-Amber	<b>Boiling Point:</b>	ND
<b>Physical State:</b>	Liquid	<b>Freezing/Melting Pt.:</b>	ND/NE
<b>Odor:</b>	A=Mild B=Distinctive Odor	<b>Solubility:</b>	Insoluble
<b>pH:</b>	ND	<b>Spec Grav./Density:</b>	A=1.12 B=0.96
<b>Vapor Pressure:</b>	N/E		
<b>Vapor Density:</b>	(Air=1) >1		
<b>VOC:</b>	0		
<b>Evap. Rate:</b>	Slower than Butyl Acetate		
<b>Viscosity:</b>	Brookfield 500 cps		
<b>Percent Volatile:</b>	0		

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## 10 STABILITY AND REACTIVITY

Stability:	Stable
Conditions to avoid:	None
Materials to avoid (incompatibility):	Strong oxidizers, acids and bases.
Hazardous Decomposition products:	CO, CO2, NOX
Hazardous Polymerization:	None

## 11 TOXICOLOGICAL INFORMATION

No data available.

## 12 ECOLOGICAL INFORMATION

No data available.

## 13 DISPOSAL CONSIDERATIONS

When disposed of properly, this material does not meet RCRA classification or listing for hazardous waste. Never dispose of a liquid to a landfill. Spilled material should be stabilized or solidified prior to disposal. Once stabilized/solidified, the material may be disposed of through normal means. Certain localities and state laws have specific disposal requirements for non-hazardous industrial chemicals. Consult municipal authorities, landfill personnel, disposal companies for details prior to any disposal activity. Always follow local, state and federal regulations.

## 14 TRANSPORT INFORMATION

Shipping Name: Amines, Liquid Corrosive, N.O.S. (aminopropyl-diethanolamine) UN2735, Class 8 Corrosive, PGIII.

Placards required over 1000 lbs.

## 15 REGULATORY INFORMATION

This MSDS has been prepared in accordance with federal OSHA Hazard Communication Standard 29 CFR 1910.1200.  
HMIS Codes: Health(3) Flammability(1) Reactivity(1) PPE(H)

## 16 OTHER INFORMATION

The information and recommendations in this document are based on the best information available to us at the time of preparation. We make no other warranty, expressed or implied, as to its correctness or completeness, or as to the results or reliance of this product.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

END OF MSDS DOCUMENT

# MSDS Material Safety Data Sheet

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PRO-POXY 300

MSDS Number: 1005

Revision Date: 7/1/2008

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## PRODUCT AND COMPANY IDENTIFICATION

### Manufacturer

UNITEX

3101 Gardner Ave.  
Kansas City, MO 64120

**Contact:** Technical Services  
**Telephone Number:** 816-231-7700  
**FAX Number:** 816-483-3149  
**E-Mail:** mail@unitex-chemicals.com  
**Web:** www.unitex-chemicals.com

**Product Name:** PRO-POXY 300  
**Revision Date:** 7/1/2008  
**MSDS Number:** 1005  
**Common Name:** Polyamine  
**Product Code:** PRO-POXY 300  
**Chemical Family:** Polyamine  
**Synonyms:** Amines Liquid Corrosive  
**Product Use:** Epoxy Adhesive

Emergency Telephone No.: 800-424-9300

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## HAZARDS IDENTIFICATION

**Route of Entry:** Eyes, Skin, Swallowing, Inhalation  
**Target Organs:** None Known  
**Inhalation:** May cause irritation to nose and throat.  
**Skin Contact:** May cause irritation and dermatitis.  
**Eye Contact:** May cause irritation, sensitization and may lead to eye damage.  
**Ingestion:** May cause irritation of the mouth, stomach and sensitization.

This product contains detectable amounts of the following chemicals known to the state of California to cause birth defects/cancer or other reproductive harm: Epichlorohydrin.

None of the remaining components are considered a hazardous material or carcinogen (1910.1200 Hazard Communication (d) 4.)

	OSHA PEL	ACGIH TLV
COMPONENT A		
25068386	NE	NA
14807966	5 mg/m3	5 mg/m3
471341	5 mg/m3	10 mg/m3
1314132	5 mg/m3	5 mg/m3
COMPONENT B		
100516	NE	NE
15520102	NE	NE
1477550	NE	NE
6864375	NE	NE
90722	10 mg/m3	5 mg/m3
14807966	5 mg/m3	5 mg/m3
471341	10 mg/m3	5 mg/m3

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## COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Chemical Name	Perc.
Component A		
25068386	Modified Bisphenol A/Epoxy Resin	>74%
14807966	Talc	<10%
471341	Calcium Carbonate	<10%
1314132	Zinc Oxide (ZnO)	<5%
Component B		
Trade Secret Amine Blend containing one or more of the following:		
112945525		<50%
64742945		
1317619		
NE		
90722	2,4,6 Tri(dimethylaminomethyl)phenol	<5%
14807966	TALC (MG3H2(SiO3)4)	<25%
471341	Calcium carbonate	<20%

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## FIRST AID MEASURES

<b>Inhalation:</b>	If respiratory irritation occurs, go to fresh air. Flood work area with fresh air. If irritation continues seek medical attention.
<b>Skin Contact:</b>	Remove contaminated clothing and shoes. Wash affected area(s) thoroughly with soap and water. If irritation persists, seek medical attention. SOLVENTS SHOULD NOT BE USED because they carry the irritant into the skin.
<b>Eye Contact:</b>	Flush the eyes with plenty of water for at least 15 minutes. If necessary, gently hold eyelids open during the flush. Immediately seek medical attention.
<b>Ingestion:</b>	Obtain immediate medical attention. Do not induce vomiting. Should vomiting occur, be sure to keep victim's head below hips to avoid aspiration of vomitus into the lungs.

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## FIRE FIGHTING MEASURES

<b>Flash Point:</b>	A=>200 F B=>200 F
<b>Flash Point Method:</b>	Pensky Martens Closed Cup
<b>Burning Rate:</b>	No data available
<b>Autoignition Temperature:</b>	No data available
<b>LEL:</b>	NA
<b>UEL:</b>	NA

Special Fire Fighting Procedures: None. Avoid breathing smoke. NFPA Class B-C extinguisher (dry chemical or foam) for class 1C fires. Water spray may be ineffective on fire but can protect fire-fighters and cool closed containers. Use fog nozzels if water is used. Use supplied breathing masks.

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## 6 ACCIDENTAL RELEASE MEASURES

**SMALL SPILLS:** Absorb with an inert material (sand, vermiculite). Sweep or scoop up and put into disposal containers. Flush area immediately with water (prevent water from entering waterways).

**LARGE SPILLS:**

Containment: For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.  
Cleanup: Absorb with an inert material (sand, vermiculite, etc.) Sweep or scoop up into disposal containers. Flush area immediately with water (prevent water from entering waterways).  
Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area or until spill clean-up has been completed.

## 7 HANDLING AND STORAGE

**Handling Precautions:** For professional use only. Avoid eye/skin contact. Wash after using and before eating or smoking. Avoid breathing vapors. Use as directed. Avoid uncontrolled mixing with other mixtures (strong acids, bases and oxidizers). Do not use solvents to thin. Respiratory protection is required when ventilation is inadequate. NIOSH/OSHA approved respirators should be provided and worn.

**Storage Requirements:** Store in a cool/dry location. Do not allow material to freeze, as product may be damaged. Store away from sparks and open flames.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:  
Protective Equipment:**

**VENTILATION:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs. Local exhaust ventilation is preferred because it prevents containment dispersion into the work area by controlling it at its source.

**RESPIRATORY PROTECTION:** Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and if necessary, wear OSHA/NIOSH approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen.

**PROTECTIVE CLOTHING/EQUIPMENT:** Wear chemically protective gloves, boots, aprons to prevent prolonged or repeated skin contact. Wear protective goggles and face shield, per OSHA eye and face protection (29 CFR 1910.133).

**CONTAMINATED EQUIPMENT:** Separate contaminated work clothing from street clothes. Launder before reuse. Remove this material from your work shoes and clean personal protective equipment.

**Exposure Guidelines/Other:** OTHER PRECAUTION: Never eat, drink, or smoke in work areas.  
This material is not listed by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration.

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PRO-POXY 300

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## 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	A- White Gel B-Gray Gel	Boiling Point:	ND
Physical State:	Gel	Freezing/Melting Pt.:	ND/NE
Odor:	A=Mild B=Strong Distinctive	Solubility:	Insoluble
pH:	ND	Spec Grav./Density:	(H2O =1) A:1.47 B:1.53
Vapor Pressure:	N/E		
Vapor Density:	(Air=1) >1		
VOC:	<50 g/l		
Evap. Rate:	Slower than Butyl Acetate		
Viscosity:	Thick Gel Non Sag		
Percent Volatile:	0		

## 10 STABILITY AND REACTIVITY

Stability:	Stable
Conditions to avoid:	None
Materials to avoid (incompatibility):	Strong oxidizers, acids and bases.
Hazardous Decomposition products:	CO, CO2, NOX
Hazardous Polymerization:	None

## 11 TOXICOLOGICAL INFORMATION

No data available.

## 12 ECOLOGICAL INFORMATION

No data available.

## 13 DISPOSAL CONSIDERATIONS

When disposed of properly, this material does not meet RCRA classification or listing for hazardous waste. Never dispose of a liquid to a landfill. Spilled material should be stabilized or solidified prior to disposal. Once stabilized/solidified, the material may be disposed of through normal means. Certain localities and state laws have specific disposal requirements for non-hazardous industrial chemicals. Consult local municipal authorities, landfill personnel, disposal companies for details prior to any disposal activity. Always follow local, state and federal regulations.

## 14 TRANSPORT INFORMATION

DOT Class: Corrosive (8) #8  
Shipping Name: Amines, Liquid Corrosive, N.O.S. (aminopropyl dietanolamine) UN2735, Class 8 Corrosive PG III.

Placards required over 1000 lbs..

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## REGULATORY INFORMATION

This MSDS has been prepared in accordance with federal OSHA Hazard Communication Standard 29 CFR 1910.1200.  
HMIS Codes: Health(3) Flammability(1) Reactivity(2) PPE(H)

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## OTHER INFORMATION

The information and recommendations in this document are based on the best information available to us at the time of preparation. We make no other warranty, expressed or implied, as to its correctness or completeness, or as to the results or reliance of this product.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

END OF MSDS DOCUMENT