

**Welcome to
Hastings Plastics
Material Safety Data Sheets For Adhesives,
Glues, and Cements**

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HASTINGS PLASTICS COMPANY

PRODUCT DATA
MSDS 14-1-2A RESIN
*REVISED 07/14/09
REPLACES 4/26/99

1704 Colorado Ave. Santa Monica, CA 90404 310-829-3449 FAX 310-828-6820

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14-1-2A RESIN

SECTION I - PRODUCT IDENTIFICATION

MANUFACTURER'S NAME	- HASTINGS PLASTICS COMPANY
PRODUCT INFORMATION AND SALES	- (310) 829-3449
EMERGENCY PHONE NUMBER	- (800) 424-9300
PRODUCT NAME	- 14-1-2A RESIN
PRODUCT CODE NUMBER	- 14-1-2A RESIN
CHEMICAL FAMILY	- Epoxy Resin
CHEMICAL NAME	- Modified Bisphanol A Diglycidyl Ether
FORMULA	- Proprietary
D.O.T. CLASSIFICATION	- Not regulated
HMIS:	
Health	- 2
Fire	- 1
Reactivity	- 0

SECTION II - HAZARDOUS INGREDIENTS COMPONENTS

<u>CAS #</u>	<u>%</u>
<u>TLV (units)</u>	
<u>PEL</u>	
ZINC OXIDE	TOTAL DUST
	1314-13-2
2-3	10
10	
RESPIRABLE	5
Not Established	
LEAD	
7439-92-1	Trace
Not Established	Not Established
CADMIUM	
	7440-43-9

Trace	Not Established
Not Established	
BISPHENOL A DIGLYCIDYL ETHER	25085-99-8
45-55	Not Established
Not Established	
O - CRESYL GLYCIDYL ETHER	26447-14-32-3Not EstablishedNot Established

CARCINOGENICITY: This chemical is not considered to be carcinogenic.

HAZARD STATEMENT: This material safety data sheet has been prepared in compliance with Federal OSHA Hazard Communication Standard 29 CFR 1910.1200. This product is considered to be a hazardous chemical under that standard.

SECTION III - PHYSICAL DATA

APPEARANCE AND COLOR

- Off white viscous liquid.

ODOR

- Mild aromatic odor.

BOILING POINT

- N/A

VAPOR PRESSURE

- N/A.

VAPOR DENSITY

- Nonvolatile

SOLUBILITY IN WATER

- Nil.

PERCENT VOLATILE (By Volume)

- 0

EVAPORATION RATE

- N/A.

SPECIFIC GRAVITY

- 1.53

SECTION IV - FIRE AND HAZARD EXPLOSION DATA

FLASH POINT °F (Method Used)

- >200 closed cup

FLAMMABLE LIMITS (In Air % LEL)

- N/A.

EXTINGUISHING MEDIA

- Foam, carbon dioxide, dry chemical, water spray.

SPECIAL FIRE FIGHTING PROCEDURES - Firefighters should wear goggles and self-contained breathing apparatus to avoid inhalation of smoke vapors.

UNUSUAL FIRE AND EXPLOSION HAZARDS - Decomposition and combustion products may be toxic.

SECTION V - HEALTH EFFECTS DATA

THRESHOLD LIMIT VALUE - None assigned

OVEREXPOSURE-CHRONIC: Mice receiving skin applications of the Diglycidyl Ether of Bisphenol A or essentially identical resins for two years have yielded very limited evidence of weak carcinogenicity. The published report on this study concludes that the resin product "is not a systemic carcinogen when applied to the skin of CF 1 mice" and the tumor data "was of no biological importance". Based on all available data, IRAC (International Agency For Research On Cancer) has concluded in 1988 that DGEBA is not classified as a carcinogen.

EFFECTS OF OVEREXPOSURE:

EYES - Mild to moderate irritation, possible minor temporary corneal injury.

SKIN - Not likely to be absorbed in toxic amounts.

INHALATION - May cause nasal irritation, central nervous system depression or lung injury.

SHORT TERM OVEREXPOSURE: Zinc Oxide: Inhalation of high levels of zinc oxide may result in tightness of chest, metallic taste, cough, dizziness, fever, chills headache, nausea, and dry throat. Overexposure may produce symptoms known as metal fume fever include: Chills, fever, muscular pain, nausea and vomiting. Like a finely divided particulate matter, zinc oxide may cause mechanical irritation to skin and eyes.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Allergy, Eczema, Dermatitis

EMERGENCY & FIRST AID PROCEDURES:

EYE CONTACT - Flush with water. Get medical attention if necessary.

SKIN CONTACT - Wash with soap and water. Remove and wash contaminated clothing.

INHALATION - If ill effects occur remove person to fresh air, keep that person warm and quiet and get medical attention promptly.

INGESTION - If conscious, give large quantities of water. Get immediate medical attention.

OTHER - Promptly remove wet contaminated clothing. Wash before reuse.

PRIMARY ROUTE(S) OF EXPOSURE

ORAL LD50 - (RAT) >5,000 mg/kg

DERMAL LD50 - (RAT) >2100 mg/kg

SKIN IRRITATION - (RABBIT) Mild Irritation

EYE IRRITATION - (RABBIT) None

SENSITIZATION - (GUINEA PIG) Sensitizer

INHALATION LC50 - (RAT) 6.1 mg/L for a 4 hour exposure; toxic by inhalation (minor ingredient)

CARCINOGENICITY: This product does not contain 0.1% or more of any substance which is listed as carcinogen by NTP, IARC or OSHA.

SECTION VI - REACTIVITY DATA

STABILITY - Stable.

HAZARDOUS POLYMERIZATION - Will not occur.

INCOMPATIBILITY - Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS - Carbon monoxide, carbon dioxide, aldehydes.

CONDITIONS TO AVOID - Elevated temperatures, strong acids & bases in bulk.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Ventilated area. Absorb spill with suitable absorbent material and place into a closed container. For large spills, dike area and pump into closed containers. Prevent this material from entering waterways. Wear protective equipment during cleanup.

WASTE DISPOSAL METHOD: At this time, this material or its containers would not be considered hazardous wastes as defined under the federal RCRA regulations (40 CFR 261) if discarded. Care should be taken to ensure that the material or its containers are disposed of in an approved facility in accordance with current Federal, State, and Local regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION - Use NIOSH approved respirator suitable for organic vapors, if required.

VENTILATION - Local exhaust and general ventilation recommended.

PROTECTIVE GLOVES - Rubber or polyethylene.

EYE PROTECTION - Safety glasses with side shields.

OTHER PROTECTIVE EQUIPMENT - Protective equipment to avoid personal contact.

SECTION IX - SPECIAL PRECAUTIONS & STORAGE DATA

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: This material may cause sensitization. Do not get in eyes, on skin or clothing. Do not allow contaminated clothing to contact skin. Avoid contact with vapors or fumes. Store in tightly closed containers in cool, dry area. Wash thoroughly after handling.

SECTION X - SUPPLEMENTAL INFORMATION

REGULATORY INFORMATION: None

SARA HAZARD CLASSIFICATION: This material has been categorized as having the following hazard(s) as defined by SARA Title III regulations (40 CFR 370): acute

SARA SECTION 313 LISTED INGREDIENTS: This material does not contain any substance which is subject to the reporting requirements of 40 CFR 372.

DOT PROPER SHIPPING NAME: Not regulated by DOT

UN NUMBER: None

RCRA STATUS: Not a hazardous waste under RCRA (40 CFR 261)

CERCLA STATUS: Not listed

TSCA INVENTORY STATUS: Chemical components listed on TSCA inventory.

NEW JERSEY RIGHT TO KNOW LABELING INFORMATION - This product contains the following :

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>
Phenol, 4-4'-(1-Methylethylidene)	25068-38-6
Bis-, Polymer with (Chloromethyl)Oxirane	
Oxirane, {(Methylphenoxy)Methyl}	26447-14-3

PENNSYLVANIA RIGHT TO KNOW ACT - The following is required composition information:

<u>I. CHEMICAL NAME</u>	<u>CAS NUMBER</u>
Phenol, 4-4'-(1-Methylethylidene)	25068-38-6
Polymer with (Chloromethyl)oxirane	
<u>COMMON NAME</u>	<u>COMMENTS</u>
Bisphenol A Epoxy Resin	Not on Pennsylvania Hazardous Substance List

<u>II. CHEMICAL NAME</u>	<u>CAS NUMBER</u>
Oxirane, {(Methylphenoxy)Methyl}	26447-14-3
<u>COMMON NAME</u>	<u>COMMENTS</u>
Cresyl Glycidyl Ether	Not on Pennsylvania Hazardous Substance List

HAZARDOUS PRODUCTS INFORMATION ACT - This product contains the following ingredients which are Controlled Products and/or on the Ingredient Disclosure List (Canadian HPA section 13 and 14):

COMPONENTS

<u>CAS NUMBER</u>	<u>AMOUNT %w/w</u>
Reaction product of epichlorohydrin & bisphenol A	
25085-99-8	
70 - 78%	

DISCLAIMER OF LIABILITY

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim liability for any use of this material. Information contained herein is believed to be true and accurate but all statements are made without warranty, express or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. It is the user's obligation to determine the conditions of safe use and the suitability of the material for the user's purpose.

No Changes at this time

Prepared By: Joe Morales

F#170-21A

HASTINGS PLASTICS COMPANY

1704 Colorado Ave. Santa Monica, CA 90404 310-829-3449 FAX 310-828-6820

PRODUCT DATA
MSDS 14-1-2A
HARDENER
*REVISED 07/14/09
REPLACES 05/03/99

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14-1-2A HARDENER

SECTION I - PRODUCT IDENTIFICATION

MANUFACTURER'S NAME

- HASTINGS PLASTICS

PRODUCT INFORMATION AND SALES

- (310) 829-3449

EMERGENCY PHONE NUMBER

- (800) 424-9300

PRODUCT NAME

- 14-1-2A HARDENER

PRODUCT CLASS

- Epoxy Resin Hardener

CAS NUMBER

- Proprietary

H.M.I.S.

- Health-2
Reactivity-1

Fire-1

SECTION II - HAZARDOUS INGREDIENTS

ACGIH

OSHA

COMPONENTS

CAS#

%

TLV

PEL

Nonyphanol

84852-15-3

_35

none assigned
none assigned
140-31-8

Aminoethyl Piperazine

31

none assigned
none assigned

Modified Polyamines
proprietary

33 - 34
none assigned
none assigned

SECTION III - PHYSICAL DATA

BOILING POINT

- N/A

VOLATILE %

- 0

EVAPORATION RATE

- Nonvolatile

APPEARANCE

- Straw colored liquid

ODOR

- Amine odor

VAPOR DENSITY

- Nonvolatile

SPECIFIED GRAVITY

- 0.960

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASS - 3B

FLASH POINT - >200 °F

LEL - N.A.

EXTINGUISHING MEDIA - Foam, carbon dioxide, dry chemicals or fog.

SPECIAL FIREFIGHTING PROCEDURES - Firefighters should wear goggles and self contained breathing apparatus to avoid inhalation of smoke or vapors.

UNUSUAL FIRE AND EXPLOSION HAZARDS - None known.

SECTION V - HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LEVEL - Not Established

There is no ACGIH TLV or OSHA PEL currently established for Nonylphenol. There is no ACGIH TLV or OSHA PEL currently established for aminoethyl piperazine. Aminoethyl piperazine is listed on the Massachusetts right to know hazardous substance list.

EFFECTS OF OVEREXPOSURE:

INHALATION - May cause nasal irritation, central nervous system depression or lung injury.

EYE CONTACT - This product may contain alkaline materials that can cause chemical burns to the eyes. Eye

damage may be irreversible.

SKIN CONTACT - may be corrosive or highly irritating to skin. Repeated contact may cause sensitization and/or dermatitis.

SKIN ABSORPTION - No specific information is available; however, this material may contain aliphatic amines which may be absorbed through the skin.

NONYLPHENOL:

EYE CONTACT - Severe eye irritant. Causes eye burns.

SKIN CONTACT - Corrosive. Contact may cause severe irritation, inflammation, dermatitis, ulceration, necrosis and burns.

INHALATION - May cause respiratory tract irritation, lung irritant.

INGESTION - Slightly toxic. May be harmful if swallowed. Prolonged or repeated exposure may cause liver and kidney effects.

FIRST AID:

EYES - Flush with plenty of water and get medical attention.

SKIN - Promptly wipe clean with paper or cloths and wash with soap and water. Remove and wash any contaminated clothing before reuse.

INHALATION - If ill effects occur, remove person to fresh air and keep person quiet and warm then get medical attention promptly.

INGESTION - Not likely a problem. If large amounts are swallowed, get medical attention immediately.

PRIMARY ROUTE(S) OF ENTRY - Inhalation, Ingestion, Skin and Eye contact.

TOXICOLOGICAL INFORMATION - This material does not contain 0.1% or more of any substance which is listed as a carcinogen by NTP, IARC or OSHA.

NONYLPHENOL - LD50 (oral/rat) 1620 Mg/Kg; LD50 (DRML/rabbit) 2140 Mg/Kg.

AMINOETHYL PIPERAZINE - LD50 (oral/rat) 2140 Mg/Kg; LD50 (oral/rabbit) 880 Mg/Kg

SECTION VI - REACTIVITY DATA

STABILITY - Stable

HAZARDOUS POLYMERIZATION - Will Not Occur

INCOMPATIBILITY - Strong oxidizers, acids, bases and epoxy resins under uncontrolled conditions.

CONDITIONS TO AVOID - Heat and warm storage.

HAZARDOUS DECOMPOSITION PRODUCT - Carbon monoxide, carbon dioxide, and smoke. Other possible products, unknown.

SECTION VII - SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED - Ventilate area. Absorb spill with suitable absorbent material and place into a closed container. For large spills, dike area and pump into closed containers. Prevent this material from entering waterways. Wear protective equipment during cleanup.

WASTE DISPOSAL METHOD - At this time, this material or its containers would not be considered hazardous wastes as defined under the federal RCRA regulations (40 CFR 261) if discarded. Care should be taken to

ensure that the material or its containers are disposed of in an approved facility in accordance with current federal, state, and local regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION - Should be worn to avoid breathing spray mist, heated vapors or if TLV is exceeded.

VENTILATION - Local exhaust and general ventilation recommended.

PROTECTIVE GLOVES - Chemical-resistant plastic or rubber.

EYE PROTECTION - Chemical goggles.

OTHER PROTECTIVE EQUIPMENT - As required to prevent wetting skin clothing.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING - This material may cause sensitization. Do not get in eyes, on skin or clothing. Do not allow contaminated clothing to contact skin. Avoid contact with vapors or fumes.

OTHER PRECAUTIONS - Wear protective equipment.

SECTION X - SUPPLEMENTAL INFORMATION

REGULATORY INFORMATION:

SARA & WHMIS HAZARD CLASSIFICATIONS - This material has been categorized as having the following hazard(s) as defined by SARA Title III regulations (40 CFR 370): acute.

CANADIAN WHMIS CLASSIFICATION - D1B, D2B, E

SARA SECTION 313 LISTED INGREDIENTS - This material does not contain any substance which is subject to the reporting requirements of 40 CFR 372.

DOT PROPER SHIPPING NAME - Amine, liquid, Corrosive, N.O.S. (NONYL PHENOL, AMINOETHYLPIPERAZINE), 8, UN2735, III.

DISCLAIMER OF LIABILITY

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim liability for any use of this material. Information contained herein is believed to be true and accurate but all statements are made without warranty, express or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. It is the user's obligation to determine the conditions of safe use and the suitability of the material for the user's purpose.

Prepared By: Joe Morales

F#170-21A

HASTINGS PLASTICS COMPANY

PRODUCT DATA
MSDS 14-1-2A RESIN
*REVISED 5/3/99
REPLACES 8/1/91

1704 Colorado Ave. Santa Monica, CA 90404 310-829-3449 FAX 310-828-6820

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14-1-2A RESIN

SECTION I - PRODUCT IDENTIFICATION

MANUFACTURER'S NAME	- HASTINGS PLASTICS COMPANY
PRODUCT INFORMATION AND SALES	- (310) 829-3449
EMERGENCY PHONE NUMBER	- (800) 424-9300
PRODUCT NAME	- 14-1-2A RESIN
PRODUCT CODE NUMBER	- 14-1-2A RESIN
CHEMICAL FAMILY	- Epoxy Resin
CHEMICAL NAME	- Modified Bisphenol A Diglycidyl Ether
FORMULA	- Proprietary
D.O.T. CLASSIFICATION	- Not regulated
HMIS Rating:	Health - 2 Fire - 1 Reactivity - 0

SECTION II - HAZARDOUS INGREDIENTS

<u>COMPONENTS</u>	<u>CAS # %</u>	<u>TLV (units)</u>	<u>PEL</u>
ZINC OXIDE TOTAL DUST	1314-13-2	2-3 10	10
RESPIRABLE		5	Not Established
LEAD	7439-92-1	Trace Not Established	Not Established
CADMIUM	7440-43-9	Trace Not Established	Not Established
BISPHENOL A DIGLYCIDYL ETHER	25085-99-8	45-55 Not Established	Not Established
O - CRESYL GLYCIDYL ETHER	26447-14-3	2-3 Not Established	Not Established

CARCINOGENICITY: This chemical is not considered to be carcinogenic.

HAZARD STATEMENT: This material safety data sheet has been prepared in compliance with Federal OSHA Hazard Communication Standard 29 CFR 1910.1200. This product is considered to be a hazardous chemical under that standard.

SECTION III - PHYSICAL DATA

APPEARANCE AND COLOR	- Off white viscous liquid.
ODOR	- Mild aromatic odor.
BOILING POINT	- N/A
VAPOR PRESSURE	- N/A.
VAPOR DENSITY	- Nonvolatile
SOLUBILITY IN WATER	- Nil.
PERCENT VOLATILE (By Volume)	- 0
EVAPORATION RATE	- N/A.
SPECIFIC GRAVITY	- 1.53

SECTION IV - FIRE AND HAZARD EXPLOSION DATA

FLASH POINT °F (Method Used)	- >200 closed cup
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FLAMMABLE LIMITS (In Air % LEL)	- N/A.
EXTINGUISHING MEDIA	- Foam, carbon dioxide, dry chemical, water spray.
SPECIAL FIRE FIGHTING PROCEDURES	- Firefighters should wear goggles and self-contained breathing apparatus to avoid inhalation of smoke vapors.
UNUSUAL FIRE AND EXPLOSION HAZARDS	- Decomposition and combustion products may be toxic.

SECTION V - HEALTH EFFECTS DATA

THRESHOLD LIMIT VALUE - None assigned

OVEREXPOSURE-CHRONIC: Mice receiving skin applications of the Diglycidyl Ether of Bisphenol A or essentially identical resins for two years have yielded very limited evidence of weak carcinogenicity. The published report on this study concludes that the resin product "is not a systemic carcinogen when applied to the skin of CF 1 mice" and the tumor data "was of no biological importance". Based on all available data, IRAC (International Agency For Research On Cancer) has concluded in 1988 that DGEBA is not classified as a carcinogen.

EFFECTS OF OVEREXPOSURE:

EYES - Mild to moderate irritation, possible minor temporary corneal injury.

SKIN - Not likely to be absorbed in toxic amounts.

INHALATION - May cause nasal irritation, central nervous system depression or lung injury.

SHORT TERM OVEREXPOSURE: Zinc Oxide: Inhalation of high levels of zinc oxide may result in tightness of chest, metallic taste, cough, dizziness, fever, chills headache, nausea, and dry throat. Overexposure may produce symptoms known as metal fume fever include: Chills, fever, muscular pain, nausea and vomiting. Like a finely divided particulate matter, zinc oxide may cause mechanical irritation to skin and eyes.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Allergy, Eczema, Dermatitis

EMERGENCY & FIRST AID PROCEDURES:

EYE CONTACT - Flush with water. Get medical attention if necessary.

SKIN CONTACT - Wash with soap and water. Remove and wash contaminated clothing.

INHALATION - If ill effects occur remove person to fresh air, keep that person warm and quiet and get medical attention promptly.

INGESTION - If conscious, give large quantities of water. Get immediate medical attention.

OTHER - Promptly remove wet contaminated clothing. Wash before reuse.

PRIMARY ROUTE(S) OF EXPOSURE

ORAL LD50 - (RAT) >5,000 mg/kg

DERMAL LD50 - (RAT) >2100 mg/kg

SKIN IRRITATION - (RABBIT) Mild Irritation

EYE IRRITATION - (RABBIT) None

SENSITIZATION - (GUINEA PIG) Sensitizer

INHALATION LC50 - (RAT) 6.1 mg/L for a 4 hour exposure; toxic by inhalation (minor ingredient)

CARCINOGENICITY: This product does not contain 0.1% or more of any substance which is listed as carcinogen by NTP, IARC or OSHA.

SECTION VI - REACTIVITY DATA

STABILITY - Stable.

HAZARDOUS POLYMERIZATION - Will not occur.

INCOMPATIBILITY - Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS - Carbon monoxide, carbon dioxide, aldehydes.

CONDITIONS TO AVOID - Elevated temperatures, strong acids & bases in bulk.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Ventilated area. Absorb spill with suitable absorbent material and place into a closed container. For large spills, dike area and pump into closed containers. Prevent this material from entering waterways. Wear protective equipment during cleanup.

WASTE DISPOSAL METHOD: At this time, this material or its containers would not be considered hazardous wastes as defined under the federal RCRA regulations (40 CFR 261) if discarded. Care should be taken to ensure that the material or its containers are disposed of in an approved facility in accordance with current Federal, State, and Local regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION - Use NIOSH approved respirator suitable for organic vapors, if required.

VENTILATION - Local exhaust and general ventilation recommended.

PROTECTIVE GLOVES - Rubber or polyethylene.

EYE PROTECTION - Safety glasses with side shields.

OTHER PROTECTIVE EQUIPMENT - Protective equipment to avoid personal contact.

SECTION IX - SPECIAL PRECAUTIONS & STORAGE DATA

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: This material may cause sensitization. Do not get in eyes, on skin or clothing. Do not allow contaminated clothing to contact skin. Avoid contact with vapors or fumes. Store in tightly closed containers in cool, dry area. Wash thoroughly after handling.

SECTION X - SUPPLEMENTAL INFORMATION

REGULATORY INFORMATION: None

SARA HAZARD CLASSIFICATION: This material has been categorized as having the following hazard(s) as defined by SARA Title III regulations (40 CFR 370): acute

SARA SECTION 313 LISTED INGREDIENTS: This material does not contain any substance which is subject to the reporting requirements of 40 CFR 372.

DOT PROPER SHIPPING NAME: Not regulated by DOT

UN NUMBER: None

RCRA STATUS: Not a hazardous waste under RCRA (40 CFR 261)

CERCLA STATUS: Not listed

TSCA INVENTORY STATUS: Chemical components listed on TSCA inventory.

NEW JERSEY RIGHT TO KNOW LABELING INFORMATION - This product contains the following :

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>
Phenol, 4-4'-(1-Methylethylidene)	25068-38-6
Bis-, Polymer with (Chloromethyl)Oxirane	
Oxirane, {(Methylphenoxy)Methyl}	26447-14-3

PENNSYLVANIA RIGHT TO KNOW ACT - The following is required composition information:

<u>I. CHEMICAL NAME</u>	<u>CAS NUMBER</u>
Phenol, 4-4'-(1-Methylethylidene)	25068-38-6
Polymer with (Chloromethyl)oxirane	
<u>COMMON NAME</u>	<u>COMMENTS</u>
Bisphenol A Epoxy Resin	Not on Pennsylvania Hazardous Substance List

<u>II. CHEMICAL NAME</u>	<u>CAS NUMBER</u>
Oxirane, {(Methylphenoxy)Methyl}	26447-14-3
<u>COMMON NAME</u>	<u>COMMENTS</u>
Cresyl Glycidyl Ether	Not on Pennsylvania Hazardous Substance List

HAZARDOUS PRODUCTS INFORMATION ACT - This product contains the following ingredients which are Controlled Products and/or on the Ingredient Disclosure List (Canadian HPA section 13 and 14):

<u>COMPONENTS</u>	<u>CAS NUMBER</u>	<u>AMOUNT % w/w</u>
Reaction product of epichlorohydrin & bisphenol A	25085-99-8	70 - 78%

DISCLAIMER OF LIABILITY

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No Changes at this time

Prepared By: Joe Morales

F#170-21A

