

MATERIAL SAFETY DATA SHEET

MSDS Name: ENDCOR EPOXY PRIMER, LOW VOC, PART A
MSDS Number: 750C-A
Version Number
MSDS Date: MAR-11-2009
Page Number: 1

SECTION 1. PRODUCT AND COMPANY INFORMATION

Product Name: ENDCOR EPOXY PRIMER, LOW VOC, PART A
CAS Number: N/A
Hazard Rating: Health: 2 Fire: 1 Reactivity: 1 PPI:

Company Identification: DAMPNEY CO INC.
85 PARIS ST
EVERETT MA 02149-4411

Contact: CONRAD FOO
Telephone/Fax: (617) 389-2805 (617) 389-0484
Chemtrec (24 Hour): (800) 424-9300

Product Class: PART A OF TWO PART SYSTEM
Trade Name: ENDCOR LOW VOC PRIMER
Product Code: 750A LV
DOT Hazard Class:
UN Number: 1263
Shipping Name: PAINT
Technical Name:

SECTION 2. INGREDIENT AND HAZARD INFORMATION

Ingredient Name	CAS Number	Percent	TSCA
BISPHENOL-A EPOXY	25068-38-6	21.24	Y
TERT BUTYL ACETATE	540-88-5	10.04	Y
METHYL n-AMYL KETONE	110-43-0	4.80	Y
P-CHLOROBENZOTRIFLUORIDE	98-56-6	3.55	Y
CRYSTALLINE SILICA	14808-60-7	0.77	Y

*** ALL Ingredients in this product are listed in the T.S.C.A. Inventory

** SPECIAL REMARKS ON ABOVE LISTED INGREDIENTS **

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CEL 25 ppm 8 HR TWA
ACGIH TLV not established
OSHA PEL not established

SPECIAL REMARKS SPECIFIC TO THIS RAW MATERIAL

NTP and IARC concludes that crystalline silica, (respirable) may reasonably be anticipated to be a carcinogen. National Institute for Occupational Safety and Health (NIOSH) recommends maximum permissible concentration 0.05 mg/m3 as determined by a full shift sample up to 10 hour working day, 40 hour work week. NTP concludes that silica, crystalline (respirable) may be anticipated to be a carcinogen, IARC CLASS 2A.

SECTION 3. PHYSICAL DATA

Form: LIQUID
Appearance/Color: RED
Odor: SOLVENT
pH Value: Not Applicable
Boiling Range: Not Available
Melting Point: Not Applicable
Evaporation Rate: 0.265 times Faster than n-Butyl Acetate

Vapor Density: Heavier than air

Partition Coefficient Not Available
% Volatile Weight 19.4%
% Volatile 35.8%
Specific Gravity: 1.72258
Weight/Gallon: 14.1 lbs
VOC 1.07
Heavy Elements (ppm) 0.

SECTION 4. FIRE AND EXPLOSION HAZARD DATA

Flammability Class 3
Flash Range: 38.°F - 42.°F
Tag Closed Cup
Explosive Range: 0.9%
10.5%

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EXTINGUISHING MEDIA:

Foam, alcohol foam, CO2, dry chemical, water fog may be ineffective but should be used to cool fire-exposed containers to prevent pressure build-up and possible auto-ignition or explosion when exposed to extreme heat.

SPECIAL FIREFIGHTING PROCEDURES:

Use full protection equipment including self contained breathing apparatus (NIOSH approved) for respiratory protection in fighting fires in enclosed or confined spaces. To prevent breathing gases, vapors, fumes or decomposition products.

UNUSUAL FIRE & EXPLOSION HAZARDS:

During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SECTION 5. HEALTH HAZARD DATA

Route	Species	Exposure and Dose
BISPHENOL-A EPOXY		
Oral	Rat	LD50 5000. mg/kg
Skin	Rabbit	LD50 6000. mg/kg
TERT BUTYL ACETATE		
Inhalation	Rat	LC50 4000. PPM
Oral	Rat	LD50 4500. mg/kg
Skin	Rabbit	LD50 2000. mg/kg
METHYL n-AMYL KETONE		
Inhalation	Rat	LC50 4000. PPM
Oral	Rat	LD50 1600. mg/kg
Skin	Rabbit	LD50 10206. mg/kg
P-CHLOROBENZOTRIFLUORIDE		
Inhalation	Rat	LC50 4479. PPM
Oral	Rat	LD50 6800. mg/kg
Skin	Rabbit	LD50 2700. mg/kg

PERMISSIBLE EXPOSURE LEVEL:

SEE SECTION VIII

EFFECTS OF OVEREXPOSURE:

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PRIMARY ROUTE(S) OF ENTRY:

(X) Dermal (X) Inhalation () Ingestion

ACUTE (SHORT TERM) EXPOSURE:

Eyes: (rabbits) slight irritation

Skin: (rabbits) moderate irritation

Pulmonary functions may be reduced by inhalation of respirable crystalline silica. Lung scarring produced by such inhalation may lead to progressive massive fibrosis of the lung which may aggravate other pulmonary conditions and diseases and which increased susceptibility to pulmonary tuberculosis. Progressive massive fibrosis may be accompanied by right heart enlargement, heart failure, and pulmonary failure. Smoking aggravates the effects of exposure.

EMERGENCY AND FIRST AID PROCEDURES:

Eyes - flush thoroughly with running water for 15 minutes, including under eyelids. Get medical attention.

Skin - promptly remove contaminated clothing and wash affected areas thoroughly with soap and water. If irritation occurs get medical attention. Wash contaminated clothing thoroughly before re-use.

Ingestion - call a physician immediately, only induce vomiting at the instructions of a physician. Never give anything by mouth to an unconscious person.

Inhalation - remove to fresh air. If breathing is difficult give oxygen if necessary. Get medical attention if effects persist.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:

EFFECTS OF CHRONIC OVEREXPOSURE:

Irritation, sensitization and dermatitis.

Acute and chronic prolonged exposure to respirable crystalline quartz may cause delayed lung injury, (silicosis). Silicosis is a form of disabling pulmonary fibrosis which can be progressive and may lead to death.

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SECTION 6. STABILITY AND REACTIVITY MEASURES

Stability: This product is stable

Hazardous Polymerization: Hazardous polymerization will not occur

INCOMPATIBILITY:

Avoid contact with strong acids and bases in bulk.

CONDITIONS TO AVOID:

Avoid any exposure to sources of ignition.

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HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide and unidentified organics may be formed.

SECTION 7. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Before attempting cleanup, refer to hazard caution information in other sections of this sheet.

LARGE SPILLS - notify safety personnel. Eliminate potential sources of ignition. Wear appropriate respirator and protective clothing. Soak up with absorbent such as sand, clay, or other suitable material. Place in non-leaking containers and seal tightly for proper disposal. Ventilate confined spaces. Minimize breathing vapors. Open all windows and doors. Minimize skin contact. Keep product out of sewers and water courses by diking and impounding. Observe precautions for volatile, combustible vapors from absorbed material.

SMALL SPILLS - take up with absorbent material and place in non-leaking containers for proper disposal.

Use dustless methods (vacuum), or flush with water. Do not dry sweep.

WASTE DISPOSAL METHOD:

Assure conformity with applicable federal, state and local regulations.

Dispose in accordance with Federal, State and Local Regulations.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
BISPHENOL-A EPOXY					
N/est	N/est	N/est	N/est	N/est	N/est
TERT BUTYL ACETATE					
N/est	N/est	N/est	N/est	N/est	N/est
METHYL n-AMYL KETONE					
50.00 PPM	N/est	N/est	N/est	N/est	100.00 PPM

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P-CHLOROBENZOTRIFLUORIDE

	N/est	N/est	N/est	N/est	N/est
CRYSTALLINE SILICA	0.10 mg/M3	N/est	0.05 mg/M3	0.05 mg/M3	0.10 mg/M3

RESPIRATORY PROTECTION:

Use a vapor/particulate respirator, such as NIOSH approved No. TC-23C, during and after application and until work areas are exhausted of all vapors and mist.
In confined spaces use a constant flow air-line respirator such as NIOSH approved No. TC-19C.
Up to 5 X PEL any dust respirator
Up to 10 X PEL any fume respirator or efficiency particulate filter respirator.
Up to 50 X PEL a high efficiency particulate filter respirator with full facepiece. Any air supplied respirator with full facepiece helmet or hood.
Up to 500 X PEL a powered air purifying respirator with a high efficiency particulate filter.
> than 500 X PEL a self contained breathing apparatus with a full facepiece operated in pressure demand or other positive pressure mode.

VENTILATION:

Provide sufficient ventilation to keep air contaminant concentrations below current applicable OSHA Permissible Exposure Limit or ACGIH's TLV Limit.
No smoking or open lights.

PROTECTIVE GLOVES:

Use chemical-resistant gloves to prevent skin contact.

EYE PROTECTION:

Use chemical splash goggles or face shield to prevent eye contact.
Wear protective safety glasses when exposed to dust particles.

OTHER PROTECTIVE EQUIPMENT:

Use chemical-resistant or other protective outerwear to protect against clothing contamination and skin contact.

SECTION 9. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING, TRANSPORTATION, AND STORING:

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Store in cool, well-ventilated, fire resistant storage area. Protect containers against physical damage. Keep away from heat, flame, and strong oxidizing agents. Do not store above 100 degrees F. Use only with adequate ventilation. Keep containers closed when not in use. Do not breath vapor or mist. Avoid contact with eyes, skin and clothing. Do not take internally. Bond and ground containers of this material when pouring to avoid static sparks which create a fire hazard.

OTHER PRECAUTIONS:

Contact lenses pose a special hazard; soft lenses may absorb and all lenses concentrate irritants.

SECTION 10. REGULATORY INFORMATION

SARA TITLE III SECTION 313:

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

Ingredient Name	CAS Number	Percent
ZINC COMPOUND	1314-13-2	3.28

-PROP 65 (CARCINOGEN)

WARNING: this product contains a chemical known to the state of California to cause cancer.

Ingredient Name	CAS Number	Percent
CRYSTALLINE SILICA	14808-60-7	0.77

The information and recommendations contained herein are based on data believed to be correct. However, Dampney makes no warranty express or implied regarding the accuracy of the data or results to be obtained from the use thereof. Dampney assumes no responsibility for personal injury or property damage caused by use of the material described herein. It is the responsibility of the purchaser or user to ensure that this material is properly and safely used.

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MSDS Name: ENDCOR EPOXY ACTIVATOR
MSDS Number: 750C-B
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SECTION 1. PRODUCT AND COMPANY INFORMATION

Product Name: ENDCOR EPOXY ACTIVATOR
CAS Number: N/A
Hazard Rating: Health: 2 Fire: 3 Reactivity: 0 PPI:

Company Identification: DAMPNEY CO INC.
85 PARIS ST
EVERETT MA 02149-4411

Contact: CONRAD FOO
Telephone/Fax: (617) 389-2805 (617) 389-0484
Chemtrec (24 Hour): (800) 424-9300

Product Class: PART B OF A TWO PART SYSTEM
Trade Name: ENDCOR EPOXY ACTIVAT
Product Code: 750B LV
DOT Hazard Class
UN Number: 1263
Shipping Name: PAINT
Technical Name

SECTION 2. INGREDIENT AND HAZARD INFORMATION

Ingredient Name	CAS Number	Percent	TSCA
POLYMERIC AMIDE		100.00	Y

*** ALL Ingredients in this product are listed in the T.S.C.A. Inventory

** SPECIAL REMARKS ON ABOVE LISTED INGREDIENTS **
TLV not established.

SECTION 3. PHYSICAL DATA

Form: LIQUID
Appearance/Color: BROWN

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Odor: AMINE
pH Value: Not Applicable
Boiling Range: Not Available
Melting Point: Not Applicable
Evaporation Rate: Non Volatile

Vapor Density: Non Volatile

Partition Coefficient: Not Available
% Volatile Weight: 0.%
% Volatile: 0.%
Specific Gravity: 1.001
Weight/Gallon: 8.34 lbs
VOC: NONE
Heavy Elements (ppm): 0.

===== SECTION 4. FIRE AND EXPLOSION HAZARD DATA =====

Flammability Class: 3
Flash Range: Not Available
Explosive Range: Not Available

EXTINGUISHING MEDIA:

Foam, alcohol foam, CO₂, dry chemical. Water fog may be ineffective but should be used to cool fire-exposed containers to prevent pressure build up and possible auto-ignition or explosion when exposed to extreme heat.

SPECIAL FIREFIGHTING PROCEDURES:

Use full protection equipment including self contained breathing apparatus (NIOSH/MSHA approved) for respiratory protection in fighting fires in enclosed or confined spaces, or as otherwise needed. Minimize breathing gases, vapors, fumes or decomposition products.

UNUSUAL FIRE & EXPLOSION HAZARDS:

During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

===== SECTION 5. HEALTH HAZARD DATA =====

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Route	Species	Exposure and Dose
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PERMISSIBLE EXPOSURE LEVEL:

See section II

EFFECTS OF OVEREXPOSURE:

Primary route(s) of entry:

(X) Dermal () Inhalation () Ingestion

Acute (short term) exposure:

Inhalation: Excessive inhalation of vapors can cause nasal and respiratory irritation, CNS effects including dizziness, weakness, nausea, and headaches.

Skin contact: Prolonged or repeated contact can cause moderate irritation, defatting, and dermatitis or allergic skin reaction.

Eye contact: Can cause severe irritation, redness, tearing, and blurred vision.

Ingestion: Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

EMERGENCY AND FIRST AID PROCEDURES:

Eyes: Flush thoroughly with running water for 15 minutes, including under eyelids. Get medical attention.

Skin: Promptly remove contaminated clothing and wash affected areas thoroughly with soap and water. If irritation occurs get medical attention. Wash contaminated clothing thoroughly before re-use.

Inhalation: If overcome by vapor, remove to an area free from risk of further exposure. If breathing is difficult, administer oxygen, or artificial respiration if breathing has stopped. Keep person warm and quiet and get medical attention.

Ingestion: If swallowed, call a physician immediately. Only induce vomiting at the instructions of a physician. Never give anything by mouth to an unconscious person.

Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:

May cause dermatitis, eye irritation, moderate to severe potential sensitizer. Prolonged skin contact may cause dermatitis or allergic skin reactions.

Pre-existing eye, skin, liver and/or kidney disorders may be aggravated by exposure to this product.

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Effects of chronic (long term) overexposure:
Unknown

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SECTION 6. STABILITY AND REACTIVITY MEASURES

Stability: This product is stable
Hazardous Polymerization: Hazardous polymerization will not occur

INCOMPATIBILITY:

Avoid contact with strong oxidizing agents, acids or bases.

CONDITIONS TO AVOID:

Avoid heat, open flames.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide, carbon dioxide, aldehydes, nitrogen oxide and compounds.

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SECTION 7. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Before attempting cleanup, refer to hazard caution information in other sections of this sheet.

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Large spills: Notify safety personnel. Eliminate potential sources of ignition. Wear appropriate respirator and protective clothing. Soak up with an absorbent, i.e. sand, clay, or other suitable material. Place in non-leaking containers and seal tightly for proper disposal. Ventilate confined spaces. Minimize breathing vapors. Open all windows and doors. Minimize skin contact. Keep product out of sewers and water courses by diking and impounding. Observe precautions for volatile, combustible vapors from absorbed material.

Small spills: Take up with absorbent material and place in non-leaking containers for proper disposal.

WASTE DISPOSAL METHOD:

Assure conformity with applicable federal, state and local

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regulations.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
POLYMERIC AMIDE	N/est	N/est	N/est	N/est	N/est

RESPIRATORY PROTECTION:

Use NIOSH approved respirator as required to prevent overexposure. Unconfined spaces--use a vapor/particulate respirator such as NIOSH/MSHA approved no. TC-23C. Confined spaces--use a constant flow air-line respirator such as NIOSH/MSHA approved no. TC-19C.

VENTILATION:

Provide sufficient ventilation to keep air contaminant concentration below current applicable OSHA permissible exposure limit or ACGIH's TLV limit.
No smoking or open lights.

PROTECTIVE GLOVES:

Use chemical-resistant gloves to prevent skin contact.

EYE PROTECTION:

Use chemical splash goggles or face shield to prevent eye contact.

OTHER PROTECTIVE EQUIPMENT:

Use chemical-resistant or other protective outerwear to protect against clothing contamination and skin contact.

SECTION 9. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING, TRANSPORTATION, AND STORING:

Caution! Flammable. Handling and storage conditions must be suitable for OSHA Class I flammable liquid. Store in cool, well-ventilated, fire resistant storage area. Protect containers against physical damage. Keep away from heat, flame, and strong oxidizing agents. Do not store above 100 F. Use only with adequate ventilation. Keep containers closed when not in use. Do not breathe vapor or mist. Avoid contact with eyes, skin and

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clothing. Do not take internally. Bond and ground containers of this material when pouring to avoid static sparks which create a fire hazard.

OTHER PRECAUTIONS:

Contact lenses pose a special hazard; soft lenses may absorb and all lenses concentrate irritants.

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SECTION 10. REGULATORY INFORMATION

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The information and recommendations contained herein are based on data believed to be correct. However, Dampney makes no warranty express or implied regarding the accuracy of these data or results to be obtained from the use thereof. Dampney assumes no responsibility for personal injury or property damage caused by use of the material described herein. It is the responsibility of the purchaser or user to ensure that this material is properly and safely used.