



Dampney 1870
SDS Preparation Date (mm/dd/yyyy): 12/08/2015

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SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Product identifier used on the label

: **Endcor Epoxy-Ester Zinc**

Product Code(s) : 1870

Recommended use of the chemical and restrictions on use

: **Industrial Coating**

Use pattern: Professional Use Only

Recommended restrictions: None Known.

Name, address, and telephone number of the manufacturer:

Dampney Company, Inc.
85 Paris Street
Everett, Massachusetts, U.S.A.
02149
Email: sales@dampney.com
Supplier's Telephone #: (617) 389-2805

24 Hr. Emergency Tel # : Chemtrec 1-800-424-9300 (Within Continental U.S.);
Chemtrec 703-527-3887 (Outside U.S.).

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Gray liquid. Solvent odor.

Classification:

Flammable Liquid – Category 3
Specific Target Organ Toxicity - Single Exposure – Category 3 (Central Nervous System)
Aspiration Hazard – Category 1
Carcinogen – Category 2

Label elements

Hazard pictogram(s)



Signal Word

Danger

Hazard statement(s)

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.

PREVENTION:

P201 Obtain special instructions before use.



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P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, sparks, open flames, hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical, ventilating, lighting, mixing, application equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust, fume, gas, mist, vapours, or spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves, protective clothing, eye protection, and face protection.
P281 Use personal protective gloves, protective clothing, eye protection, and face protection.

RESPONSE:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER, doctor or hospital emergency room.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER, doctor, or hospital emergency room if you feel unwell.
P331 Do NOT induce vomiting.
P370 + P378 In case of fire: Use dry chemical, CO₂, water spray (fog) or foam to extinguish.

STORAGE:

P403 + P233 + P235 (S) Store in a cool, well-ventilated place. Keep container tightly closed.
P405 Store locked up.

DISPOSAL:

P501 Dispose of contents and empty container in accordance with local, state and federal regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %*
Zinc Dust	7440-66-6	73.52
Mineral Spirits	64742-47-8	8.89
Aromatic Hydrocarbon	64742-95-6	6.84

SECTION 4. FIRST-AID MEASURES

First aid measures for different exposure routes

General advice	Avoid contact with eyes, skin, and clothing. Avoid breathing, vapors, mist, or gas.
Eye contact	Flush thoroughly with water. If irritation occurs, get medical assistance.
Skin contact	Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.
Inhalation	Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.
Ingestion	Seek immediate medical attention. Do not induce vomiting.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Use water fog, foam, dry chemical or carbon dioxide (CO ₂) to extinguish flames.
Unsuitable Extinguishing Media	Straight streams of water.



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Specific hazards during firefighting Do not allow run-off from fire fighting to enter drains or water courses.
 Specific extinguishing methods Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Use a water spray to cool fully closed containers.
 Protective Equipment and Precautions for Firefighters
 Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions Eliminate all ignition sources. Maintain adequate ventilation to keep the exposure levels below the DELS.
 Environmental precautions Report spills as required by local and federal regulations. Avoid contaminating ground and surface water
 Methods for Containment Prevent further leakage or spillage if safe to do so. Dike spill area to contain liquid.
 Methods for cleaning up Contain liquid and collect with a non-combustible material.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling
 Advice on safe handling Avoid contact with skin. Prevent small spills and leakage to avoid slip hazard. Material can accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or ground procedures. However, bonding and grounds may not eliminate the hazard from static accumulation.
 Conditions for safe storage, including any incompatibilities
 Technical measures/Storage conditions Keep containers tightly closed in a cool, well-ventilated place.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters:

Chemical Name	Standard	Limit	
Zinc Dust	None established	None established	
Mineral Spirits	RCP – TWA	197 ppm	1200 mg/m3
Aromatic Hydrocarbon	RCP – TWA	19 ppm	100 mg/m3

ACGIH: (American Conference of Governmental Industrial Hygienists)
 OSHA: (Occupational Safety & Health Administration)
 TWA: Time Weighted Average
 PEL: Permissible Exposure Limit

Exposure controls
 Engineering Measures Ventilation systems. Use adequate ventilation to keep the exposure levels below the recommended exposure limits.

Individual protection measures, such as personal protective equipment.
 General information Eye bath. Safety shower. Washing facilities.
 Eye/Face Protection Safety glasses with side-shields.
 Skin and body protection Chemical resistant apron. Protective gloves.
 Respiratory protection If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES



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Appearance : Gray Liquid
Odour : Solvent
pH : No information available
Melting/Freezing point : Not available
Boiling point : 300°F (149°C)
Flash point : 105°F (40°C)
Evaporation rate (BuAe = 1) : 0.035
Lower flammable limit (% by vol.) : 1.0
Upper flammable limit (% by vol.) : 12.6
Vapour density (air =1) : Heavier than air
Specific gravity : 2.71418 at 60°F (15.6°C)
Weight per gallon : 23 lbs
Partition coefficient : Not determined
VOC : 3.77 lbs/Gal

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable under recommended storage conditions
Chemical stability : Stable under recommended storage conditions.
Possibility of hazardous reactions : None under normal processing.
Conditions to Avoid : Keep away from heat, sparks, flame and other potential ignition sources.
Incompatible Materials : Store away from strong oxidizers.
Hazardous Decomposition Products : Carbon monoxide and unidentified organics may be formed.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Skin contact : Yes
Eye contact : Yes
Inhalation : Harmful if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness.
Ingestion : Harmful if swallowed.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Zinc Dust	None established	None established	None established
Mineral Spirits	Rat >5000 mg/kg	Rabbit >5000 mg/kg	Rat 4951 mg/m3
Aromatic Hydrocarbon	Rat 3492 mg/kg	Rabbit >3160 mg/kg	Rat 6193 mg/m3

EFFECTS OF OVEREXPOSURE:

High vapor concentrations (> approx. 1000 ppm) are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anesthetic, and have other central nervous system effects.

PRIMARY ROUTE(S) OF ENTRY:

(X) Dermal (X) Inhalation () Ingestion

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 and call a physician immediately. Administer oxygen or artificial respiration as needed.

Ingestion - do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention immediately.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product.



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SECTION 12. ECOLOGICAL INFORMATION

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Zinc Powder 7440-66-6	0.11 -0.271 mg/LEC50 Pseudokirchneriella subcapitata 96h static	0.59 mg/L LC50 Oncorhynchus mykiss 96h semi-static	-	0.139-0.908 mg/LEC50 Daphnia magna 48h Static
Mineral Spirits 64742-47-8	>1000 mg/l EL50 Pseudokirchneriella subcapitata 72h	>1000 mg/l LL50 Oncorhynchus mykiss 96h	-	1000 mg/l ELO Daphnia magna 48h
Aromatic Hydrocarbon 64742-95-6	2.9 mg/l Er150 Pseudokirchneriella subcapitata 72h	9.2 mg/l LL50 Oncorhynchus mykiss 96h	-	3.2 mg/l EL50 Daphnia magna 48h

SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal : Handle in accordance with good industrial hygiene and safety practice.
 Methods of Disposal : Dispose in accordance with all applicable regulations.

SECTION 14. TRANSPORTATION INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	UN1263	Paint related material	3	III	FLAMMABLE
49CFR/DOT Additional information	When transported as a limited quantity the maximum net capacity specified in 173.150(b)(2) of the subchapter 49CFR for inner packagings may be increased to 5L (1.3 gallons) 172.102(C)(1)(149) special provision 149.				
TDG	UN1263	Paint related material	3	III	FLAMMABLE
TDG Additional information	May be shipped as a Limited Quantity when transported in containers no larger than 5 L (1.3 gallons); in packages not exceeding 30 kg (66 pounds) gross mass.				
IMDG	UN1263	Paint related material	3	III	FLAMMABLE
IMDG Additional information	May be shipped as a Limited Quantity when transported in containers no larger than 5 L (1.3 gallons); in packages not exceeding 30 kg (66 pounds) gross mass.				
ICAO/IATA	UN1263	Paint related material	3	III	FLAMMABLE
ICAO/IATA Additional information	May be shipped as a Limited Quantity when transported in containers no larger than 5 L (1.3 gallons); in packages not exceeding 30 kg (66 pounds) gross mass.				

SECTION 15 - REGULATORY INFORMATION

U.S. Federal Regulations



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SARA 313
 Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). None.

SARA 311/312 Hazard Categories

Immediate Health Hazard	Yes
Delayed Health Hazard	Yes
Fire Hazard	Yes

TSCA (US Toxic Substances Control Act): This product is listed on the TSCA inventory.

Mineral Spirits on the following state RTK lists.
 Pennsylvania
 New Jersey

SECTION 16. OTHER INFORMATION

NFPA

Health hazard	1
Flammability	2
Reactivity	1

Prepared by Dampney Company, Inc.
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 Everett, MA 02149

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Other special considerations for handling
 : Provide adequate information, instruction and training for operators.

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DISCLAIMER

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