



## SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION

Product identifier used on the label: Protexior 793A  
Product Code (s): 793A  
Recommended use of the chemical and restrictions on use:  
Chemical Resistant Coating  
Use pattern: Professional Use Only  
Recommended restrictions: None Known.  
Chemical family: Mixture.

Manufacturer:  
Dampney Company, Inc.  
85 Paris Street  
Everett, Massachusetts, U.S.A.  
02149  
Email: sales@dampney.com  
Suppliers 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  
Clear liquid Slight aromatic

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Classification:  
Skin Irritation - Category 2  
Skin Sensitizer – Category 1  
Eye irritation – Category 2  
Germ cell mutagenicity – Category 2

Label elements  
Label: GHS 07 Exclamation Mark, GHS 08 Health Hazard



Signal Word: Warning.

Hazard statement(s)  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H341 Suspected of causing genetic defects.  
H411 Toxic to aquatic life with long lasting effects.

Prevention  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P261 Avoid breathing dust, fume, gas, mist, vapours, or spray.  
P264 Wash hands thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves, protective clothing, eye protection, and face protection.

Response  
P302 + P352 IF ON SKIN: Wash with plenty of water.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing.



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P308 + P313 IF exposed or concerned: Get medical advice/attention.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.  
P337 + P313 If eye irritation persists: Get medical advice/attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
STORAGE:  
P403 + P233 + P235 (S) Store in a cool, well-ventilated place. Keep container tightly closed.  
P405 Store locked up.

Storage  
P405 Store locked up.

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

Other hazards  
Other hazards which do not result in classification: May be sensitive to static discharge. Burning produces obnoxious and toxic fumes. Prolonged or repeated contact may cause drying, cracking and defatting of the skin.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical name	CAS #	Concentration (% by weight)
Bisphenol A epoxy resin	25068-38-6	100.00
o-Cresyl glycidyl ether (2,3-epoxypropyl o-tolyl ether)	2210-79-9	20.0

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

### SECTION 4. FIRST-AID MEASURES

Description of first aid measures

IF SWALLOWED: Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse out the mouth with water. Immediately call a POISON CENTER, doctor or hospital emergency room.  
IF ON SKIN: Wash with plenty of water. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Launder clothing before reuse. If skin irritation occurs: Get medical advice/attention.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for not less than fifteen (15) minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER, doctor, or hospital emergency room if you feel unwell.

### SECTION 5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA:

Use water spray, ABC dry chemical, foam or carbon dioxide. Water or foam may cause frothing. Use water to keep fire-exposed containers cool. Water spray may be used to flush spills away from exposures.

Special hazards arising From the chemical:

Unusual fire/explosion hazards: Product is not considered a fire hazard, but will burn if ignited. Closed container may rupture (due to build up in pressure) when exposed to extreme heat.

Hazardous combustion products: Irritating or toxic substances may be emitted upon burning, combustion or decomposition. See section 10 (Hazardous decomposition products) for additional information.

Special protective equipment and precautions for fire-fighters:

Wear self-contained breathing apparatus (SCBA) equipped with a full facepiece and operated in a pressure-demand mode (or other positive pressure mode) and approved protective clothing. Personnel without suitable respiratory protection must leave the area to prevent significant exposure to hazardous gases from combustion, burning or decomposition. In an enclosed or poorly ventilated area, wear SCBA during cleanup immediately after a fire as well as during the attack phase of firefighting operations.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

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.



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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 regulations.

## SECTION 7. HANDLING AND STORAGE

Precautions for safe handling: As with any chemical product, use good laboratory/workplace procedures. Do not cut, puncture, or weld on or near the container. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Use under well-ventilated conditions. Avoid eye and skin contact. Avoid inhalation of aerosol, mist, spray, fume or vapor. Avoid drinking, tasting, swallowing or ingesting this product. Wash contaminated clothing before reuse. Discard shoes contaminated with this product. Provide eyewash fountains and safety showers in the work area.

Conditions for safe storage, including any compatibilities: Store cool and dry, under well-ventilated conditions. Store this material away from incompatible substances (see section 10). Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use. Empty container contains residual product which may exhibit hazards of product. Do not reuse empty container without commercial cleaning or reconditioning.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Limits:

Chemical Name	OSHA TWA	OSHA PEL	OSHA STEL
Bisphenol A epoxy resin	n/a	n/a	n/a
o-Cresyl glycidyl ether (2,3-epoxypropyl o-tolyl ether)	n/a	n/a	n/a

### Exposure controls

#### VENTILATION:

Always provide effective general and, when necessary, local exhaust ventilation to draw spray, aerosol, fume, mist and vapor away from workers to prevent routine inhalation. Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS.

#### RESPIRATORY PROTECTION:

Wear an approved respirator (e.g., an organic vapor respirator, a full face air purifying respirator for organic vapors, or a self-contained breathing apparatus) whenever exposure to aerosol, mist, spray, fume or vapor exceed the applicable exposure limit(s) of any chemical substance listed in this SDS. Use respirator in accordance with manufacturer's use limitations and OSHA standard 1910.134 (29CFR).

#### 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. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Appearance/Color:	Clear
Odor:	Slight aromatic
Flash Range:	>482.0°F Pensky-Martens Closed Cup ASTM D 93
Explosive Range:	Not available
pH Value:	Not Applicable
Boiling Range:	Not Available
Melting Point:	Not Applicable



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Evaporation Rate: Not available  
Vapor Density: Heavier than air  
Partition Coefficient: Not Available  
% Volatile Weight: Not available  
% Volatile Volume: Not available  
Specific Gravity: 1.16  
Weight/Gallon: 9.65 lbs  
VOC: 0.0 LBS/GAL  
Heavy Elements (ppm): 0.

#### SECTION 10. STABILITY AND REACTIVITY

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 and unidentified organics may be formed.

#### SECTION 11. TOXICOLOGICAL INFORMATION

Potential Health Effects:

Primary route(s) of entry:

(X) Dermal (X) Inhalation ( ) Ingestion

Acute (short term) exposure:

Inhalation - excessive inhalation of vapors can cause nasal and respiratory irritation, CNS effects including dizziness, weakness, nausea, headache, possible unconsciousness, and even death.

Skin contact - prolonged or repeated contact can cause moderate irritation, defatting, and dermatitis.

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.

Other important toxicological hazards:

None known or reported by the manufacturer

Chemical name	LC50(4hr) Inhalation rat	LD50	
		(Oral, rat)	(Rabbit, dermal)
Bisphenol A epoxy resin	n/a	11,400 mg/kg	>2,000 mg/kg
o-Cresyl glycidyl ether (2,3-epoxypropyl o-tolyl ether)	6,090 ppm	4,000 - 5,000 mg/kg	>2,000 mg/kg

Carcinogenicity: Not classified.

Carcinogenic status: The components of this mixture are not known to be listed or regulated by IARC, NTP, OSHA or ACGIH.

Germ cell mutagenicity: Suspected of causing genetic defects (Category 2). o-CRESYL GLYCIDYL ETHER: Literature Ames tests showed that o-cresyl glycidyl ether was a direct-acting mutagen in strains TA 1535 and TA 100, but was not mutagenic in TA 98. In an unscheduled DNA synthesis assay, o-cresyl glycidyl ether produced significant increases in unscheduled DNA synthesis at 10 and 100 ppm. At 1000 ppm, o-cresyl glycidyl ether produced a marked reduction in unscheduled DNA synthesis due to its cytotoxic effects. In a host-mediated micronucleus test in mice, o-cresyl glycidyl ether was found not to be genotoxic. BISPHENOL A EPOXY RESIN: Mutagenicity was negative in in-vivo genotoxicity assays. Mixed results were seen in in-vitro genotoxicity assays.

Reproductive toxicity: Not classified.



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Specific target organ toxicity (STOT) - single exposure: Not classified (based on available data, the classification criteria are not met).

Specific target organ toxicity (STOT) - repeated exposure: Not classified.

Aspiration hazard: Not classified (based on available data, the classification criteria are not met).

Other toxicity information: No additional information available.

#### SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity : Contains material that may be harmful in the environment. Should not be released into the environment. See the following tables for the substance's ecotoxicity data.

Ecotoxicity data:

Ingredients	Toxicity to Fish		
	LC50 / 96h	NOEC / 21 day	M Factor
Bisphenol A epoxy resin	1.3 mg/L	N/E	N/E
o-Cresyl glycidyl ether (2,3-epoxypropyl o-tolyl ether)	2.8 – 5.1 mg/L	N/E	N/E

Ingredients	Toxicity to Daphnia		
	EC50 / 48h	NOEC / 21 day	M Factor
Bisphenol A epoxy resin	1-10 mg/L	N/E	N/E
o-Cresyl glycidyl ether (2,3-epoxypropyl o-tolyl ether)	2.8 mg/L	N/E	N/E

Ingredients	Toxicity to Algae		
	EC50 / 96h	NOEC / 96h or 72h	M Factor
Bisphenol A epoxy resin	N/E	N/E	N/E
o-Cresyl glycidyl ether (2,3-epoxypropyl o-tolyl ether)	N/E	N/E	N/E

Persistence and degradability : NO data is available on the product itself.

Bioaccumulation potential : NO data is available on the product itself.

Components	Partition coefficient n-octanol/water (log Kow)	Bioconcentration factor (BCF)
Bisphenol A epoxy resin	3.2 (calculated)	N/E
o-Cresyl glycidyl ether (2,3-epoxypropyl o-tolyl ether)	2.5	N/E

#### SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal: Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.

Methods of Disposal : Dispose in accordance with all applicable local, state and federal regulations.

#### SECTION 14. TRANSPORTATION INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label



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49CFR/DOT					
Additional information	Not regulated				
TDG					
Additional information	Not regulated				
IMDG	UN3082	Environmentally Hazardous Substance, Liquid, N.O.S. (Bisphenol A epoxy resin, cresyl glycidyl	9		
Additional information					
ICAO/IATA	UN3082	Environmentally Hazardous Substance, Liquid, N.O.S. (Bisphenol A epoxy resin, cresyl glycidyl	9		
Additional information					

Special precautions for user: None

Environmental hazards : See ECOLOGICAL INFORMATION, Section 12.

**SECTION 15 - REGULATORY INFORMATION**

US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:

Ingredients	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
Bisphenol A epoxy resin	25068-38-6	Yes	n/a	None	No	NS
o-Cresyl glycidyl ether (2,3-epoxypropyl o-tolyl ether)	2210-79-9	Yes	n/a	None	No	NS

US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

Ingredients	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Bisphenol A epoxy resin	25068-38-6	No	N/Ap	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
o-Cresyl glycidyl ether (2,3-epoxypropyl o-tolyl ether)	2210-79-9	No	N/Ap	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av

Canadian Information:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

WHMIS Classification: See Section 2.

International Information:

Components listed below are present on the following International Inventory list:



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Ingredients	CAS #	European EINECS	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	New Zealand IOC
Bisphenol A epoxy resin	25068-38-6	N/Av	Present	Present	Present	Present	Present	Present
o-Cresyl glycidyl ether (2,3-epoxypropyl o-tolyl ether)	2210-79-9	208-760-7	Present	Present	Present	Present	Present	Present

### SECTION 16. OTHER INFORMATION

Legend: ACGIH: American Conference of Governmental Industrial Hygienists  
AICS: Australian Inventory of Chemical Substances  
CA: California  
CAS: Chemical Abstract Services  
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980  
CFR: Code of Federal Regulations  
CSA: Canadian Standards Association  
DOT: Department of Transportation  
EC50: Effective Concentration 50%.  
EINECS: European Inventory of Existing Commercial chemical Substances  
ENCS: Existing and New Chemical Substances  
EPA: Environmental Protection Agency  
HMIS: Hazardous Materials Identification System  
HSDB: Hazardous Substances Data Bank  
IARC: International Agency for Research on Cancer  
IECSC: Inventory of Existing Chemical Substances  
IMDG: International Maritime Dangerous Goods  
Inh: Inhalation  
KECI: Korean Existing Chemicals Inventory  
KECL: Korean Existing Chemicals List  
LC: Lethal Concentration  
LD: Lethal Dose  
N/Av: Not Applicable  
N/Av: Not Available  
NFPA: National Fire Protection Association  
NJ: New Jersey  
NIOSH: National Institute of Occupational Safety and Health  
NOEC: No observable effect concentration  
NTP: National Toxicology Program  
OECD: Organization for Economic Co-operation and Development  
OSHA: Occupational Safety and Health Administration  
PA: Pennsylvania  
PEL: Permissible exposure limit  
PICCS: Philippine Inventory of Chemicals and Chemical Substances  
RCRA: Resource Conservation and Recovery Act  
RTECS: Registry of Toxic Effects of Chemical Substances  
SARA: Superfund Amendments and Reauthorization Act  
STEL: Short Term Exposure Limit  
TDG: Canadian Transportation of Dangerous Goods Act & Regulations  
TLV: Threshold Limit Values  
TPQ: Threshold Planning Quantity  
TSCA: Toxic Substance Control Act  
TWA: Time Weighted Average  
WHMIS: Workplace Hazardous Materials Identification System

#### References:

Canadian Centre for Occupational Health and Safety, CChemoWeb databases, 2015 (Chempendium, RTECs, HSDB, INCHEM).  
OECD- The Global Portal to Information on Chemical Substances - eChemPortal, 2015  
European Chemicals Agency, Classification Legislation, 2015 Material Safety Data Sheet from manufacturer.



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Other special considerations for handling

: Provide adequate information, instruction and training for operators.

The information and recommendations contained herein are based on data believed to be correct. However, Dampney makes no warranty expressed 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.

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