

## Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 09.23.2016

### GloPoxy Coating Part A

## 1 Identification of the substance/mixture and of the company/undertaking



### 1.1 Product identifier

**Material Name:** GloPoxy Coating Part A

**Trade Name:** GloPoxy

**Product code:** EPR375010

### 1.2 Relevant identified uses of the substance or mixture and uses advised against: Photo Luminescent Coating Resin

### 1.3 Details of the manufacturer/supplier of the safety data sheet

**Manufacturer:**

Ecopoxy  
Box 220, Morris  
Manitoba, R0G1K0, Canada  
855-326-7699  
info@ecopoxy.com

**Emergency telephone number:**

**ChemTel Inc**  
+1 800 255 3924  
+1 813 248 0585

## 2 Hazards identification

### 2.1 Classification of the substance or mixture:

In compliance with EC regulation No. 1272/2008, 29CFR1910/1200 and GHS Rev. 3 and amendments.

Skin sensitization, category 1.

Acute toxicity (oral), category 4.

Chronic aquatic hazard, category 2.

**Hazard-determining components of labeling:**

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran  
Strontium-dysprosium-europium aluminate

### 2.2 Label elements

**Hazard pictograms:**



**Signal word:** Warning

**Hazard statements:**

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements:**

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P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
 P264 Wash skin thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P301+P330+P312 IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.  
 P302+P352 If on skin: Wash with soap and water.  
 P321 Specific treatment (see supplemental first aid instructions on this label).  
 P333+P313 If skin irritation or a rash occurs: Get medical advice/attention.  
 P363 Wash contaminated clothing before reuse.  
 P391 Collect spillage.  
 P405 Store locked up.  
 P501 Dispose of contents and container as instructed in Section 13.

### 2.3 Other hazards: None known

#### Information concerning particular hazards for humans and environment:

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

#### Classification system:

The classification is according to EC regulation No. 1272/2008, 29CFR1910/1200 and GHS Rev. 3 and amendments, and extended by company and literature data. The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

### 3 Composition/information on ingredients

#### 3.1 Chemical characterization: Mixture.

#### 3.2 Description: None

#### 3.3 Hazardous components (percentages by weight)

Identification	Name	Classification	Wt. %
<b>CAS number:</b> 25068-38-6	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran	Skin Sens. 1; H317 Skin Irrit. 2 ; H315 Eye Irrit. 2; H319 Aquatic Chronic 2; H411	50-75
<b>CAS number:</b> N/A	Strontium-dysprosium-europium aluminate	Aquatic Chronic 2; H411	25-50

#### 3.4 Additional information: None.

### 4 First aid measures

#### 4.1 Description of first aid measures

**General information:** None.

##### After inhalation:

Loosen clothing as necessary and position individual in a comfortable position.

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Maintain an unobstructed airway.  
Get medical advice/attention if you feel unwell.

#### After skin contact:

Rinse affected area with soap and water.  
If symptoms develop or persist, seek medical attention.

#### After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes.  
Remove contact lenses, if present and easy to do.  
Continue rinsing.  
Get medical advice/attention.

#### After swallowing:

Call a POISON CONTROL CENTER or seek medical attention if you feel unwell.  
Do not induce vomiting.  
Rinse mouth and then drink plenty of water.

#### 4.2 Most important symptoms and effects, both acute and delayed:

None

#### 4.3 Indication of any immediate medical attention and special treatment needed:

No additional information.

### 5 Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

##### Unsuitable extinguishing media:

Do not use water as an extinguisher.

#### 5.2 Special hazards arising from the substance or mixture:

Thermal decomposition can lead to release of irritating gases and vapors.

#### 5.3 Advice for firefighters

##### Protective equipment:

Wear protective eye wear, gloves and clothing.  
Refer to Section 8.  
Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit.

#### 5.4 Additional information:

Heating causes a rise in pressure, risk of bursting and combustion.  
Shut off sources of ignition.  
Carbon monoxide and carbon dioxide may form upon combustion.

### 6 Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.  
Ensure air handling systems are operational.  
Wear protective eye wear, gloves and clothing.

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#### 6.2 Environmental precautions:

Should not be released into the environment.  
Prevent from reaching drains, sewer or waterway.

#### 6.3 Methods and material for containment and cleaning up:

Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders).  
Dispose of contents / container in accordance with local regulations.

#### 6.4 Reference to other sections: None

### 7 Handling and storage

#### 7.1 Precautions for safe handling:

Do not eat, drink, smoke or use personal products when handling chemical substances.  
Avoid breathing mist or vapor.  
Use only with adequate ventilation.

#### 7.2 Conditions for safe storage, including any incompatibilities:

Store in a cool, well-ventilated area.  
Store away from foodstuffs.

#### 7.3 Specific end use(s): No additional information.

### 8 Exposure controls/personal protection



#### 8.1 Control parameters:

N/A, Strontium-dysprosium-europium aluminate, OSHA PEL TWA 15 mg/m<sup>3</sup> (Total dust).  
N/A, Strontium-dysprosium-europium aluminate, OSHA PEL TWA 5 mg/m<sup>3</sup> (Respirable fraction).

#### 8.2 Exposure controls

##### Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.  
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

##### Respiratory protection:

When necessary, use NIOSH-approved breathing equipment.

##### Protection of skin:

Select glove material impermeable and resistant to the substance.  
Select glove material based on rates of diffusion and degradation.

##### Eye protection:

Safety goggles or glasses, or appropriate eye protection.

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#### General hygienic measures:

- Wash hands before breaks and at the end of work.
- Avoid contact with skin, eyes and clothing.
- Perform routine housekeeping.
- Wash contaminated clothing before reusing.

### 9 Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

<b>Appearance (physical state, color):</b>	Pale Yellow Milky Very Viscous Liquid	<b>Explosion limit lower:</b> <b>Explosion limit upper:</b>	Not determined or not available. Not determined or not available.
<b>Odor:</b>	None	<b>Vapor pressure:</b>	4.6 x 10 <sup>-8</sup> Pa (at 25°C)
<b>Odor threshold:</b>	Not determined or not available.	<b>Vapor density:</b>	Not determined or not available.
<b>pH-value:</b>	6.0 -7-0	<b>Relative density:</b>	Not determined or not available.
<b>Melting/Freezing point:</b>	-16C	<b>Solubilities:</b>	Not determined or not available.
<b>Boiling point/range:</b>	204C	<b>Partition coefficient (n-octanol/water):</b>	Log P = 3.242 +/- 0.324 (at 25°C and pH 7.1)
<b>Flash point (closed cup):</b>	266C	<b>Auto/Self-ignition temperature:</b>	Not determined or not available.
<b>Evaporation rate:</b>	Not determined or not available.	<b>Decomposition temperature:</b>	Not determined or not available.
<b>Flammability (solid, gaseous):</b>	Not determined or not available.	<b>Dynamic viscosity:</b>	13000-20000
<b>Density:</b>	2.97 g/cm <sup>3</sup>	<b>Kinematic viscosity:</b>	Not determined or not available.

### 10 Stability and reactivity

- 10.1 Reactivity:** Does not react under normal conditions of use and storage.
- 10.2 Chemical stability:** Stable under normal conditions of use and storage.
- 10.3 Possibility of hazardous reactions:** None under normal conditions of use and storage.
- 10.4 Conditions to avoid:** None known.
- 10.5 Incompatible materials:** None known.
- 10.6 Hazardous decomposition products:** None known.

### 11 Toxicological information

#### 11.1 Information on toxicological effects:

**Routes of exposure:** No information available.

**Acute toxicity:** No additional information.

**Skin corrosion/irritation:**

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran: Irritating to the skin.

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**Serious eye damage/irritation:**

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran: Irritating effect on the eyes.

**Respiratory or skin sensitization:**

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran: Sensitization possible through skin contact.

**Carcinogenicity:**

**IARC (International Agency for Research on Cancer):** None of the ingredients are listed.

**NTP (National Toxicology Program):** None of the ingredients are listed.

**Germ cell mutagenicity:** No additional information.

**Reproductive Toxicity:** No additional information.

**STOT-single and repeated exposure:** No additional information.

**Aspiration toxicity:** No information available.

**Additional toxicological information:**

No additional information.

### 12 Ecological information

**12.1 Toxicity:**

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran: Bacteria, EC50 - Scenedesmus capricornutum - 9 mg/L - 48 h.

Strontium-dysprosium-europium aluminate: Fish, LC50 - Oncorhynchus mykiss (Rainbow Trout) - 6.8 g/L - 96 hr.

Strontium-dysprosium-europium aluminate: Aquatic invertebrates, EC50 - Daphnia magna - 13 mg/L - 48 hr.

**12.2 Persistence and degradability:**

No additional information.

**12.3 Bioaccumulative potential:**

No additional information.

**12.4 Mobility in soil:**

No additional information.

**General notes:**

No additional information.

**12.5 Results of PBT and vPvB assessment:**

**PBT:** No additional information.

**vPvB:** No additional information.

**12.6 Other adverse effects:**

No additional information.

### 13 Disposal considerations

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#### 13.1 Waste treatment methods

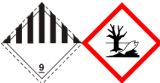
**Relevant information:**

(US 40CFR262.11).

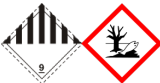
### 14 Transport information

**Land transport:**

**DOT (49 CFR) transport**

<b>14.1 UN Number:</b>	3082
<b>14.2 UN Proper shipping name:</b>	Environmentally hazardous substance, liquid, n.o.s. (Diglycidyl Ether of Bisphenol A)
<b>14.3 UN Transport hazard classes:</b>	9
<b>14.4 Packing group:</b> <b>Danger label:</b>	III 9 Miscellaneous dangerous substances and articles 
<b>14.5 Environmental hazards:</b>	Yes
<b>14.6 Special precautions for user:</b>	None

**ADR/RID**

<b>14.1 UN Number:</b>	3082
<b>14.2 UN Proper shipping name:</b>	Environmentally hazardous substance, liquid, n.o.s. (Diglycidyl Ether of Bisphenol A)
<b>14.3 UN Transport hazard classes:</b>	9
<b>14.4 Packing group:</b> <b>Danger label:</b>	III 9 Miscellaneous dangerous substances and articles 
<b>Tunnel restriction code:</b>	None
<b>Transport category:</b>	None
<b>Hazard ID number:</b>	None
<b>14.5 Environmental hazards:</b>	Yes
<b>14.6 Special precautions for user:</b>	None

**Air transport:**


**IATA-DGR**

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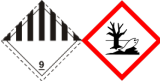
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### GloPoxy Coating Part A

<b>14.1 UN Number:</b>	3082
<b>14.2 UN Proper shipping name:</b>	Environmentally hazardous substance, liquid, n.o.s. (Diglycidyl Ether of Bisphenol A)
<b>14.3 UN Transport hazard classes:</b>	9
<b>14.4 Packing group:</b> <b>Danger label:</b>	III 9 Miscellaneous dangerous substances and articles 
<b>14.5 Environmental hazards:</b>	Yes
<b>14.6 Special precautions for user:</b>	None

#### Sea transport:

##### IMDG

<b>14.1 UN Number:</b>	3082
<b>14.2 UN Proper shipping name:</b>	Environmentally hazardous substance, liquid, n.o.s. (Diglycidyl Ether of Bisphenol A)
<b>14.3 UN Transport hazard classes:</b>	9
<b>14.4 Packing group:</b> <b>Danger label:</b>	III 9 Miscellaneous dangerous substances and articles 
<b>EMS code:</b>	None
<b>14.5 Environmental hazards:</b>	Yes
<b>14.6 Special precautions for user:</b>	None
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:</b>	Not applicable

### 15 Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

##### North American

**SARA Section 311/312 (Specific toxic chemical listings):** Not classified.

**SARA Section 302 (Extremely hazardous substances):** None of the ingredients are listed.

**SARA Section 313 (Specific toxic chemical listings):** None of the ingredients are listed.



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#### TSCA (Toxic Substances Control Act):

25068-38-6 Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran: listed.  
N/A Strontium-dysprosium-europium aluminate: not listed.

**TSCA Rules and Orders:** Not applicable.

#### Proposition 65 (California):

**Chemicals known to cause cancer:** None of the ingredients are listed.  
**Chemicals known to cause reproductive toxicity for females:** None of the ingredients are listed.  
**Chemicals known to cause reproductive toxicity for males:** None of the ingredients are listed.  
**Chemicals known to cause developmental toxicity:** None of the ingredients are listed.

#### Canada

##### Canadian Domestic Substances List (DSL):

25068-38-6 Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran: listed.  
N/A Strontium-dysprosium-europium aluminate: not listed.

#### European Union

**REACH Article 57 (SVHC):** None of the ingredients are listed.

**Germany MAK:** Not classified.

#### Australia

##### Australian Inventory of Chemical Substances (AICS):

25068-38-6 Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran: listed.  
N/A Strontium-dysprosium-europium aluminate: not listed.

#### China

##### Inventory of Existing Chemical Substances in China (IECSC):

25068-38-6 Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran: listed.  
N/A Strontium-dysprosium-europium aluminate: not listed.

#### Japan

##### Inventory of Existing and New Chemical Substances (ENCS):

25068-38-6 Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran: listed.  
N/A Strontium-dysprosium-europium aluminate: not listed.

#### Korea

##### Existing Chemicals List (ECL):

25068-38-6 Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran: listed.  
N/A Strontium-dysprosium-europium aluminate: not listed.

#### New Zealand

##### New Zealand Inventory of Chemicals (NZOIC):

25068-38-6 Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran: listed.  
N/A Strontium-dysprosium-europium aluminate: not listed.

#### Philippines

##### Philippine Inventory of Chemicals and Chemical Substances (PICCS):

25068-38-6 Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran: listed.  
N/A Strontium-dysprosium-europium aluminate: not listed.

#### Taiwan

##### Taiwan Chemical Substance Inventory (TSCI):

25068-38-6 Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxiran: listed.  
N/A Strontium-dysprosium-europium aluminate: not listed.

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### 16 Other information

**Abbreviations and Acronyms:** None

**Manufacturer Statement:**

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.