

Safety Data Sheet

According to Canadian Hazardous Products Regulations and WHMIS 2015

Initial preparation date: 08.19.2016

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Gel Coat Part A

SECTION 1: Identification

Product identifier

Product name: Gel Coat Part A

Product code: EPR339000

Recommended use of the product and restriction on use

Relevant identified uses: Epoxy resin

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Manufacturer:

Canada

Ecopoxy

Box 220

Morris

Manitoba, R0G1K0, Canada

855-326-7699

info@ecopoxy.com

Supplier:

United States

EcoPoxy USA, Inc.

10440 66 St. North

Unit #3

Pinellas Park FL 33782

855-326-7699

info@ecopoxy.com

Emergency telephone number:

United States

ChemTel Inc

+1 800 255 3924

Canada

ChemTel Inc

+1 813 248 0585

SECTION 2: Hazard identification

GHS classification:

Skin irritation, category 2

Skin sensitization, category 1

Chronic aquatic hazard, category 2

Germ cell mutagenicity, category 2

Label elements

Hazard pictograms:



Signal word: Warning

Hazard statements:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H341 Suspected of causing genetic defects.

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H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P273 Avoid release to the environment.
- P264 Wash skin thoroughly after handling.
- P362 Take off contaminated clothing and wash before reuse.
- P333+P313 If skin irritation or a rash occurs: Get medical advice/attention.
- P391 Collect spillage.
- P321 Specific treatment (see supplemental first aid instructions on this label).
- P302+P352 If on skin: Wash with soap and water.
- P308+P313 If exposed or concerned: Get medical advice/attention.
- P405 Store locked up.
- P501 Dispose of contents and container as instructed in Section 13.

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

| Identification | Name | Weight % |
|---------------------------|--|----------|
| CAS number: 25085-99-8 | Reaction products of Epichlorohydrin and Bisphenol A | 60-90 |
| CAS number: 68609-97-2 | oxirane, mono[(C12-14-alkyloxy)methyl] derivs | 15-20 |
| CAS number: 106-89-8 | 1-chloro-2,3-epoxypropane | <1 |

Additional Information: None

SECTION 4: First-aid measures

Description of first-aid measures

General notes:

Not determined or not available.

After inhalation:

- Loosen clothing as necessary and position individual in a comfortable position
- Maintain an unobstructed airway
- Get medical advice/attention if you feel unwell

After skin contact:

- Wash affected area with soap and water
- Seek medical attention if symptoms develop or persist

After eye contact:

Not determined or not available.

After ingestion:

- Rinse mouth and then drink plenty of water

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Do not induce vomiting
Get medical advice/attention if you feel unwell

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Not determined or not available.

Delayed symptoms and effects:

Not determined or not available.

Immediate medical attention and special treatment

Specific treatment:

Not determined or not available.

Notes for the doctor:

Not determined or not available.

SECTION 5: Fire-fighting measures

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

Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors

Special protective equipment for firefighters:

Wear protective eye wear, gloves and clothing

Refer to Section 8

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit

Special precautions:

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

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Ensure air handling systems are operational

Wear protective eye wear, gloves and clothing

Ensure adequate ventilation

Environmental precautions:

Should not be released into the environment

Prevent from reaching drains, sewer or waterway

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

Reference to other sections:

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Not determined or not applicable.

SECTION 7: Handling and storage

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.

Conditions for safe storage, including any incompatibilities:

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

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

Occupational Exposure limit values:

| Country (Legal Basis) | Substance | Identifier | Permissible concentration |
|-----------------------|---------------------------|------------|---|
| United States (OSHA) | 1-chloro-2,3-epoxypropane | 106-89-8 | OSHA PEL: TWA value 5 mg/m ³ |
| NIOSH | 1-chloro-2,3-epoxypropane | 106-89-8 | IDLH (NIOSH) 75 ppm |
| ACGIH | 1-chloro-2,3-epoxypropane | 106-89-8 | ACGIH TLV: 0.5 ppm |

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Information on monitoring procedures:

Not determined or not applicable.

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.

Personal protection equipment

Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

Skin and body protection:

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

Respiratory protection:

When necessary, use NIOSH-approved breathing equipment.

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.

SECTION 9: Physical and chemical properties

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Information on basic physical and chemical properties

| | |
|---|----------------------------------|
| Appearance (physical state, color): | Off White Viscous Liquid |
| Odor: | Characteristic |
| Odor threshold: | Not determined or not available. |
| pH-value: | Not determined or not available. |
| Melting/Freezing point: | Not determined or not available. |
| Boiling point/range: | 220°C (428°F) |
| Flash point: | 150°C (302°F) |
| Evaporation rate: | Not determined or not available. |
| Flammability (solid, gaseous): | Not determined or not available. |
| Explosion limit upper: | Not determined or not available. |
| Explosion limit lower: | Not determined or not available. |
| Vapor pressure: | Not determined or not available. |
| Vapor density: | Not determined or not available. |
| Density: | 1.15 |
| Relative density: | Not determined or not available. |
| Solubilities: | Not determined or not available. |
| Partition coefficient (n-octanol/water): | Not determined or not available. |
| Auto/Self-ignition temperature: | Product is not self-igniting |
| Decomposition temperature: | Not determined or not available. |
| Dynamic viscosity: | Not determined or not available. |
| Kinematic viscosity: | Not determined or not available. |
| Explosive properties | Not determined or not available. |
| Oxidizing properties | Not determined or not available. |

Other information

SECTION 10: Stability and reactivity

Reactivity:

- Reacts with amines.
- Exothermic polymerization.
- Reacts with catalysts, oxidizing agents and strong alkali.
- Reacts with peroxides and other radical forming substances.
- Non-reactive under normal conditions of use.

Chemical stability:

- Stable under normal conditions of use and storage.

Possibility of hazardous reactions:

- Reacts with catalysts, oxidizing agents and strong alkali.
- Reacts with peroxides and other radical forming substances.
- Reacts with amines.
- Exothermic polymerization.

Conditions to avoid:

- Excess heat.
- Incompatible materials.

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Incompatible materials:

Strong oxidizers, bases, acids, amines, and peroxides.

Hazardous decomposition products:

Thermal decomposition can lead to release of oxides of carbon and irritating gases.

SECTION 11: Toxicological information

Acute toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

| Name | Route | Result |
|---------------------------|------------|----------------------------------|
| 1-chloro-2,3-epoxypropane | oral | LD50 Rat 90 mg/kg |
| | inhalation | LC50 Rat 8h 250 ppm |
| | dermal | LD50 Dermal - Rabbit - 300 mg/kg |

Skin corrosion/irritation

Assessment: Causes skin irritation

Product data:

No data available.

Substance data:

| Name | Result |
|--|------------------------------------|
| Reaction products of Epichlorohydrin and Bisphenol A | Causes skin irritation |
| 1-chloro-2,3-epoxypropane | Rabbit: open irritation test - 24h |

Serious eye damage/irritation

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data:

| Name | Result |
|---------------------------|-------------------------------|
| 1-chloro-2,3-epoxypropane | Rabbit: severe eye irritation |

Respiratory or skin sensitization

Assessment: May cause an allergic skin reaction

Product data:

No data available.

Substance data:

| Name | Result |
|--|--|
| Reaction products of Epichlorohydrin and Bisphenol A | Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals |
| 1-chloro-2,3-epoxypropane | May cause sensitisation by skin contact. |

Carcinogenicity

Assessment: Based on available data, the classification criteria are not met.

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Product data: No data available.

Substance data: No data available.

International Agency for Research on Cancer (IARC):

| Name | Classification |
|---------------------------|--|
| 1-chloro-2,3-epoxypropane | Group 2A - Probably carcinogenic to humans |

National Toxicology Program (NTP):

| Name | Classification |
|---------------------------|--|
| 1-chloro-2,3-epoxypropane | Reasonably anticipated to be human carcinogens |

Germ cell mutagenicity

Assessment: Suspected of causing genetic defects

Product data:

No data available.

Substance data:

| Name | Result |
|---------------------------|-----------------------------|
| 1-chloro-2,3-epoxypropane | May alter genetic material. |

Reproductive toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (repeated exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Information on likely routes of exposure:

No data available.

Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

Other information:

No data available.

SECTION 12: Ecological information

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Acute (short-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

| Name | Result |
|---------------------------|--|
| 1-chloro-2,3-epoxypropane | LC50 - Pimephales promelas (fathead minnow) - 10.6 mg/l - 96 h |
| | LC50 - Daphnia magna (Water flea) - 21 mg/l - 48 h |

Chronic (long-term) toxicity

Product data: No data available.

Substance data: No data available.

Persistence and degradability

Product data: No data available.

Substance data: No data available.

Bioaccumulative potential

Product data: No data available.

Substance data: No data available.

Mobility in soil

Product data: No data available.

Substance data: No data available.

Other adverse effects: No data available.

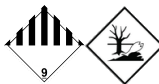
SECTION 13: Disposal considerations

Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities (US 40CFR262.11)

SECTION 14: Transport information

Canadian Transportation of Dangerous Goods (TDG)

| | |
|-------------------------------|---|
| UN number | 3082 |
| UN proper shipping name | Environmentally Hazardous Substance, Liquid, N.O.S. (Contains Reaction products of Epichlorohydrin and Bisphenol) |
| UN transport hazard class(es) | 9  |
| Packing group | III |
| Environmental hazards | Marine Pollutant |
| Special precautions for user | None |

International Maritime Dangerous Goods (IMDG)

| | |
|-------------------------|---|
| UN number | 3082 |
| UN proper shipping name | Environmentally Hazardous Substance, Liquid, N.O.S. (Contains Reaction products of Epichlorohydrin and Bisphenol) |


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| | | |
|--------------------------------------|------------------|---|
| UN transport hazard class(es) | 9 |  |
| Packing group | III | |
| Environmental hazards | Marine Pollutant | |
| Special precautions for user | None | |
| Limited quantity | 5L | |

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

| | | |
|--------------------------------------|---|---|
| UN number | 3082 | |
| UN proper shipping name | Environmentally Hazardous Substance, Liquid, N.O.S. (Contains Reaction products of Epichlorohydrin and Bisphenol) | |
| UN transport hazard class(es) | 9 |  |
| Packing group | III | |
| Environmental hazards | Marine Pollutant | |
| Special precautions for user | None | |
| Excepted quantities | NA | |
| Limited quantity | NA | |

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

| | |
|---------------------------|------|
| Bulk Name | None |
| Ship type | None |
| Pollution category | None |

SECTION 15: Regulatory information

Canada regulations

Domestic substances list (DSL):

| | | |
|------------|---|------------|
| 25085-99-8 | Reaction products of Epichlorohydrin and Bisphenol A | Listed |
| 68609-97-2 | oxirane, mono[(C12-14-alkyloxy)methyl] derivs | Listed |
| 106-89-8 | 1-chloro-2,3-epoxypropane | Listed |
| 25085-99-8 | Reaction products of Epichlorohydrin and Bisphenol A | Listed |
| 57834-33-0 | Benzoic acid, 4-[[[(methylphenylamino) methylene]amino]-, ethyl ester | Not Listed |
| 68609-97-2 | oxirane, mono[(C12-14-alkyloxy)methyl] derivs | Listed |

Non-domestic substances list (NDSL):

| | | |
|------------|---|--------|
| 57834-33-0 | Benzoic acid, 4-[[[(methylphenylamino) methylene]amino]-, ethyl ester | Listed |
|------------|---|--------|

SECTION 16: Other information

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Abbreviations and Acronyms: None

Disclaimer:

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.

NFPA: 2-1-0

HMIS: 2-1-0

Initial preparation date: 08.19.2016

End of Safety Data Sheet