

# C-Poxy 5; C-Poxy 15; C-Poxy 30; C-Tough Metal; C-Tough (Part A)

## Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Date of issue: 11/12/2020

Revision date: 11/12/2020

Version: 2.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : C-Poxy 5; C-Poxy 15; C-Poxy 30; C-Tough Metal; C-Tough (Part A)  
Product code : CP5-R

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : General purpose fast setting epoxy resin  
Restrictions on use : Not suitable for use with: Polytetrafluoroethylene (PTFE), Polypropylene, Polyethylene, Rubbers

#### 1.3. Details of the supplier of the safety data sheet

##### Manufacturer

Chemical Engineering Canada Corporation  
3110-580 Seaborne Ave  
Port Coquitlam BC, V3B8G8 - Canada  
T 6044572000  
[info@ceccorp.ca](mailto:info@ceccorp.ca)

##### Distributor

Add the name, address and tel. number of the US manufacturer or importer who operates in the US

#### 1.4. Emergency telephone number

Emergency number : 6043494141 (9 AM – 5 PM PST)

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

##### GHS classification

Skin Irrit. 2  
Skin Sens. 1  
Eye Irrit. 2A

#### 2.2. Label elements

##### GHS labelling

Hazard pictograms (GHS) :



GHS07

Signal word (GHS) : Warning  
Hazard statements (GHS) : Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.  
Precautionary statements (GHS) : Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands, forearms and face thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

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Name	Product identifier	%
Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer	(CAS-No.) 25085-99-8	80 - 100
Phenol, polymer with formaldehyde, glycidyl ether	(CAS-No.) 28064-14-4	5 - 13

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact : IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

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

- Symptoms/effects after inhalation : May cause irritation to the respiratory tract.
- Symptoms/effects after skin contact : Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause an allergic skin reaction.
- Symptoms/effects after eye contact : Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
- Symptoms/effects after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

### SECTION 5: Fire-fighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Water spray or fog. Dry chemical. Carbon dioxide (CO<sub>2</sub>). Foam. Alcohol resistant foam.
- Unsuitable extinguishing media : Do not use a direct water stream.

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

- Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon. Phenolics.
- Explosion hazard : Containers may rupture on heating.

#### 5.3. Advice for firefighters

- Firefighting instructions : Move containers away from the fire area if this can be done without risk. Cool closed containers exposed to fire with water spray.
- Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

### SECTION 6: Accidental release measures

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

- General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

##### 6.1.1. For non-emergency personnel

No additional information available

##### 6.1.2. For emergency responders

No additional information available

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

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

- For containment : Stop leak if safe to do so. Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.
- Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

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### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- |                                   |   |
|-----------------------------------|---|
| Additional hazards when processed | : Spills of these organic materials on hot fibrous insulations may lead to lowering of the autoignition temperatures possibly resulting in spontaneous combustion.                          |
| Precautions for safe handling     | : Avoid contact with skin, eyes and clothing. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. |
| Hygiene measures                  | : Wash contaminated clothing before reuse. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace.                             |

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

- |                     |   |
|---------------------|---|
| Storage conditions  | : Keep out of the reach of children. Keep container tightly closed. |
| Storage temperature | : 2 - 43 °C (36 - 109 °F)   |

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer (25085-99-8)
Not applicable

Phenol, polymer with formaldehyde, glycidyl ether (28064-14-4)
Not applicable

### 8.2. Exposure controls

- |                                  |   |
|----------------------------------|---|
| Appropriate engineering controls | : Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. |
| Hand protection                  | : Wear suitable gloves resistant to chemical penetration. Examples of preferred glove barrier materials include: Butyl rubber gloves. Neoprene or nitrile rubber gloves. PVC gloves.  |
| Eye protection                   | : Wear eye/face protection.   |
| Skin and body protection         | : Wear suitable protective clothing.  |
| Respiratory protection           | : In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.                                      |
| Environmental exposure controls  | : Avoid release to the environment.   |
| Other information                | : Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.  |

## SECTION 9: Physical and chemical properties

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

- |  |                       |
|--|-----------------------|
| Physical state                             | : Liquid              |
| Appearance                                 | : Cloudy              |
| Colour                                     | : Cloudy              |
| Odour                                      | : Weak epoxy odour    |
| Odour threshold                            | : No data available   |
| pH   | : No data available   |
| Melting point                              | : No data available   |
| Freezing point                             | : No data available   |
| Boiling point                              | : No data available   |
| Flash point                                | : 93.3 °C (199.94 °F) |
| Relative evaporation rate (butylacetate=1) | : No data available   |
| Flammability (solid, gas)                  | : Not flammable       |
| Vapour pressure                            | : No data available   |
| Relative vapour density at 20 °C (68 °F)   | : No data available   |
| Relative density                           | : No data available   |
| Solubility                                 | : Water: Insoluble    |

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Partition coefficient n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 14000 – 18000 cP @ 25 °C (77 °F)
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. A mass of more than one pound of product plus an aliphatic amine will cause irreversible polymerization with significant heat buildup.

### 10.4. Conditions to avoid

Heat. Incompatible materials.

### 10.5. Incompatible materials

Oxidizing materials. Acids. Bases. Amines.

### 10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon. Phenolics.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified.
Acute toxicity (dermal)	: Not classified.
Acute toxicity (inhalation)	: Not classified.
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified.
Carcinogenicity	: Not classified.
Reproductive toxicity	: Not classified.
STOT-single exposure	: Not classified.
STOT-repeated exposure	: Not classified.
Aspiration hazard	: Not classified.
Symptoms/effects after inhalation	: May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	: Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Symptoms/effects after ingestion	: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: May cause long-term adverse effects in the aquatic environment.
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### 12.2. Persistence and degradability

#### C-Poxy 5; C-Poxy 15; C-Poxy 30 C-Tough Metal; C-Tough Part A

Persistence and degradability	Not established.
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### 12.3. Bioaccumulative potential

#### C-Poxy 5; C-Poxy 15; C-Poxy 30 C-Tough Metal; C-Tough Part A

Bioaccumulative potential	Not established.
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### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Other information : No other effects known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

## SECTION 14: Transport information

### Department of Transportation (DOT) and Transportation of Dangerous Goods (TDG)

In accordance with DOT/TDG

UN-No.(DOT/TDG) : UN3082  
Proper Shipping Name (DOT/TDG) : Environmentally hazardous substances, liquid, n.o.s. (mercaptan terminated polymer)  
Class (DOT/TDG) : Class 9 - Miscellaneous hazardous material 49 CFR 173.140  
Packing group (DOT/TDG) : III  
Hazard labels (DOT/TDG) :



Marine pollutant : Yes (IMDG only)



### Transport by sea

In accordance with IMDG

UN-No. (IMDG) : 3082  
Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (mercaptan terminated polymer)  
Class (IMDG) : Miscellaneous dangerous substances and articles  
Packing group (IMDG) : III  
Danger labels (IMDG) :



Marine pollutant : Yes (IMDG only)



# C-Poxy 5; C-Poxy 15; C-Poxy 30; C-Tough Metal; C-Tough (Part A)

## Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

### Transport by air

In accordance with IATA

UN-No. (IATA) : 3082  
Proper Shipping Name (IATA) : Environmentally hazardous substance, liquid, n.o.s. (mercaptan terminated polymer)  
Class (IATA) : Miscellaneous Dangerous Goods  
Packing group (IATA) : III  
Danger labels (IATA) :



## SECTION 15: Regulatory information

### 15.1. Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

### 15.2. International regulations

No additional information available

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

## SECTION 16: Other information

Revision date : 11/12/2020  
Other information : None.  
Prepared by : Nexreg Compliance Inc.  
[www.Nexreg.com](http://www.Nexreg.com)



SDS HazCom 2012 - WHMIS 2015 (NexReg)

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