

## Canusa-CPS Liquid Epoxy Types P, P-HB Cure

### SECTION 1. IDENTIFICATION

|                                      |   |
|--------------------------------------|---|
| <b>Product Identifier</b>            | Canusa-CPS Liquid Epoxy Types P, P-HB Cure  |
| <b>Other Means of Identification</b> | P Cure, P-HB Cure   |
| <b>Product Family</b>                | Epoxy   |
| <b>Recommended Use</b>               | Corrosion and mechanical protection.  |
| <b>Manufacturer</b>                  | CANUSA-CPS, A DIVISION OF SHAWCOR LTD., 25 BETHRIDGE ROAD, TORONTO, ON, M9W 1M7, (416) 743-7111 |
| <b>Emergency Phone No.</b>           | Canusa, (613) 996-6666 (CANUTEC)  |

### SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

#### Classification

Acute toxicity (Oral) - Category 4; Acute toxicity (Inhalation) - Category 4; Skin irritation - Category 2; Serious eye damage - Category 1; Reproductive toxicity - Category 2; Aquatic hazard (Chronic) - Category 2

#### Label Elements



Danger

Harmful if swallowed, in contact with skin or if inhaled.

Causes serious eye damage.

Suspected of damaging fertility.

Toxic to aquatic life with long lasting effects.

Do not handle until all safety precautions have been read and understood.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash hands thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection.

Take off contaminated clothing and wash it before reuse.

IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.

IF ON SKIN: Wash with plenty of water.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

IF exposed or concerned: Get medical advice/attention.

Dispose of contents and container in accordance with local, regional, national and international regulations.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

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Mixture:

| Chemical Name                                   | CAS No.    | %     | Other Identifiers |
|---|------------|-------|-------------------|
| Benzyl alcohol                                  | 100-51-6   | 10-30 |                   |
| Amines, polyethylenepoly-                       | 68131-73-7 | 10-30 |                   |
| 1,2-DIAMINOCYCLOHEXANE                          | 694-83-7   | 10-30 |                   |
| Ethylenediamine, N-(3-(trimethoxysilyl)propyl)- | 1760-24-3  | 1-5   |                   |
| Tetraethylenepentamine                          | 112-57-2   | 1-5   |                   |
| Salicylic acid                                  | 69-72-7    | 1-5   |                   |

## SECTION 4. FIRST-AID MEASURES

### First-aid Measures

#### Inhalation

Move to fresh air. If symptoms persist seek medical attention.

#### Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Immediately wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 15-20 minutes.

#### Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Get medical attention.

#### Ingestion

Do not induce vomiting. Immediately call a Poison Centre or doctor.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

### Specific Hazards Arising from the Product

Oxides of carbon and nitrogen; carboxylic acids; aldehydes.

### Special Protective Equipment and Precautions for Fire-fighters

Do not use direct stream of water.

Self-contained breathing apparatus and full protective clothing.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Eliminate all ignition sources if safe to do so. Use the personal protective equipment recommended in Section 8 of this safety data sheet.

### Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway.

### Methods and Materials for Containment and Cleaning Up

Contain and soak up spill with absorbent that does not react with spilled product. Dispose of in compliance with applicable legislation.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Wear appropriate PPE.

### Conditions for Safe Storage

Store in an area that is: cool, dry. Adequate general ventilation is recommended; local ventilation if in a confined or

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restricted area.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

| Chemical Name  | ACGIH TLV®      |      | OSHA PEL        |         | AIHA WEEL |     |
|----------------|-----------------|------|-----------------|---------|-----------|-----|
|                | TWA             | STEL | TWA             | Ceiling | 8-hr TWA  | TWA |
| Benzyl alcohol | Not established |      | Not established |         | 10 ppm    |     |

### Appropriate Engineering Controls

General ventilation is usually adequate. Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air.

### Individual Protection Measures

#### Eye/Face Protection

Wear chemical safety goggles. Wear chemical safety goggles and face shield when contact is possible.

#### Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Suitable materials are: butyl rubber, Viton®, neoprene rubber. The following materials should NOT be used: natural rubber, nitrile rubber.

#### Respiratory Protection

Wear a NIOSH approved air-purifying respirator with an organic vapour cartridge.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

|                              |                        |
|------------------------------|------------------------|
| Appearance                   | Amber.                 |
| Odour                        | Ammonia-like           |
| Odour Threshold              | Not available          |
| Relative Density (water = 1) | 1.07                   |
| Solubility                   | Not available in water |
| Other Information            |                        |
| Physical State               | Liquid                 |
| Molecular Formula            | Not applicable         |
| Molecular Weight             | Not applicable         |

## SECTION 10. STABILITY AND REACTIVITY

### Possibility of Hazardous Reactions

Hazardous polymerizations will not occur.

### Incompatible Materials

Avoid strong acids and oxidizers.

### Hazardous Decomposition Products

Oxides of carbon and nitrogen. Carboxylic acids. Aldehydes.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

### Acute Toxicity

| Chemical Name | LC50 | LD50 (oral) | LD50 (dermal) |
|---------------|------|-------------|---------------|
|---------------|------|-------------|---------------|

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|  |  |                       |                           |
|--|--|-----------------------|---------------------------|
| Benzyl alcohol                                     | > 4168-5400 mg/m <sup>3</sup> (rat)<br>(4-hour exposure) (aerosol) | 1230-1580 mg/kg (rat) | < 5250 mg/kg (guinea pig) |
| Ethylenediamine,<br>N-(3-(trimethoxysilyl)propyl)- |  | 2413 mg/kg (rat)      | 2009 mg/kg (rat)          |
| Tetraethylenepentamine                             |  | 3990 mg/kg (rat)      | 660 mg/kg (rabbit)        |
| 1,<br>2-DIAMINOCYCLOHEXANE                         |  | 4556 mg/kg (rat)      |                           |
| Salicylic acid                                     |  | 480 mg/kg (mouse)     | 2000 mg/kg (rat)          |

#### Serious Eye Damage/Irritation

May cause irritation and burns.

#### STOT (Specific Target Organ Toxicity) - Single Exposure

##### Inhalation

May cause irritation. May damage contacted tissue and produce scarring.

##### Skin Absorption

May cause irritation. May cause burns. May cause allergic reaction.

##### Ingestion

Harmful if swallowed.

#### Respiratory and/or Skin Sensitization

Sensitization may occur following exposure to the liquid or vapour.

#### Carcinogenicity

| Chemical Name                                      | IARC       | ACGIH®         | NTP        | OSHA       |
|--|------------|----------------|------------|------------|
| Benzyl alcohol                                     | Not Listed | Not Listed     | Not Listed |            |
| Ethylenediamine,<br>N-(3-(trimethoxysilyl)propyl)- | Not Listed | Not designated | Not Listed | Not Listed |
| Tetraethylenepentamine                             | Not Listed | Not Listed     | Not Listed | Not Listed |
| Amines, polyethylenepoly-                          | Not Listed | Not Listed     | Not Listed | Not Listed |
| 1,<br>2-DIAMINOCYCLOHEXANE                         | Not Listed | Not designated | Not Listed | Not Listed |
| Salicylic acid                                     | Not Listed | Not designated | Not Listed | Not Listed |

#### Reproductive Toxicity

##### Sexual Function and Fertility

May cause effects on sexual function and/or fertility.

## SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

May be toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

##### Acute Aquatic Toxicity

| Chemical Name  | LC50 Fish   | EC50 Crustacea   | ErC50 Aquatic Plants | ErC50 Algae |
|----------------|---|--|----------------------|-------------|
| Benzyl alcohol | 770 mg/L<br>(Pimephales<br>promelas (fathead<br>minnow); 48-hour;<br>fresh water; static) | mg/L (Daphnia<br>magna (water flea);<br>48-hour)                             |                      |             |
| Salicylic acid |   | 870 mg/L (Daphnia<br>magna (water flea);<br>48-hour; fresh water;<br>static) |                      |             |

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Dispose of as hazardous waste. Dispose of in compliance with all federal, state, provincial, municipal and local legislation.

## SECTION 14. TRANSPORT INFORMATION

| Regulation   | UN No. | Proper Shipping Name             | Transport Hazard Class(es) | Packing Group |
|--------------|--------|----------------------------------|----------------------------|---------------|
| Canadian TDG | 2735   | Amines, Liquid, Corrosive, N.O.S | Class 8                    | II            |

**Special Precautions** Not applicable

### Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

The regulatory information provided is not intended to be comprehensive. Other local, state, provincial, federal international or country specific regulations may apply to this material.

## SECTION 16. OTHER INFORMATION

**NFPA Rating**            **Health - 1**    **Flammability - 1**    **Instability - 0**  
**Based on**    Benzyl alcohol

**SDS Prepared By**    SHAWCOR LTD.

**Phone No.**            (416) 743-7111

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