# MATERIAL SAFETY DATA SHEET

## 1. PRODUCT AND PREPARATION INFORMATION

| | |
|---|---|
| Manufacturer: | Dominion Sure Seal Ltd.<br>6175 Danville Road, Mississauga, Ontario<br>Canada, L5T 2H7<br>(905)670-5411<br>U.S.A. 1-800-265-0790 |
| Emergency telephone numbers: | Dominion Sure Seal (8 AM TO 4 PM EST)<br>(905)670-5411<br>CANUTEC (24 HR)<br>(613) 996 – 6666 |
| Product Name: | Semi-Rigid Plastic Repair Part A |
| Product Code: | XPSAP Part A 4013 |
| Synonyms: | Not Applicable |
| Chemical Family: | Epoxy |
| Molecular Formula: | Mixture |
| Product Use: | Adhesive |
| Prepared by: | Regulatory Department |
| Preparation Date: | June 1, 2014 |

## 2. HAZARDOUS INGREDIENTS

| Hazardous Ingredients | CAS Number | Wt. % | TLV ppm | LD/50 Route, Species | LC/50 Route, Species |
|---|---|---|---|---|---|
| Reaction Product of Epichlorhydrin and Bisphenol-A | 25085-99-8 | 30-60 | Not Available | 5,000 mg/kg (oral, rat)<br>20,000 mg/kg (dermal, rbt) | Not Available |
| Butyl Benzyl Phthalate | 85-68-7 | 3-7 | 5 mg/m3 | 20,400 mg/kg (oral, rat)<br>10,000 mg/kg (dermal, rbt) | 6.7 mg/L (rat, 4h) |
| Glycidyl Ether of C12-C14 Alcohol | 68609-97-2 | 1-5 | Not Available | 17,100 mg/kg (oral, rat) | Not Available |

The other components of this product are not considered hazardous under applicable U.S. OSHA and/or Canadian WHMIS regulations.

## 2. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| Physical State | Liquid |
| Appearance | Pink |
| Odour | Epoxy |
| Odour Threshold | Not Available |
| Boiling Point (Deg.C) | Not Available |
| Melting/Freezing Point (Deg. C) | Not Available |
| Vapour Density (Air = 1) | > 1 |
| Specific Gravity (Estimate) | 1.6 |
| Vapour Pressure (mm Hg) | Not Available |
| Evaporation Rate, n-Butyl Acetate = 1 | < 1 |
| pH | Not Applicable |
| Solubility in Water | Negligible |

## 4. FIRE AND EXPLOSION HAZARD

| | |
|---|---|
| Flammability: | Not |
| If Yes, Under Which Conditions: | Not Applicable. |
| Flammability Limits in Air (%): | Not Available |
| Flash Point (TCC deg.C) | > 100 |
| Autoignition Temperature (Deg. C): | Not Available |
| Hazardous Combustion Products: | Carbon monoxide, Phenolics. |
| Sensitivity to Mechanical Impact: | Not available. Not expected to be sensitive to mechanical impact. |
| Rate of Burning: | Not available. |
| Explosive Power: | Not available. |
| Sensitivity to Static Discharge: | Not available. Not expected to be sensitive to static discharge. |
| Extinguishing Media: | Use any media that is appropriate for the surrounding fire. |

## 5. REACTIVITY DATA

| | |
|---|---|
| Chemical Stability: | Yes, under normal conditions. |
| Compatibility with Other Substances: | No, with strong acids, strong basis, strong oxidizing agents. |
| Hazardous Products of Decomposition: | Carbon monoxide, Phenolics. |
| Hazardous Polymerisation: | Polymerization with heat built up when in contact with aliphatic amine. |

## 6. TOXICOLOGICAL PROPERTIES

| | |
|---|---|
| Route of Entry: | |
| Skin Contact: | Yes |
| Skin Absorption: | Yes |
| Eye Contact: | Yes |
| Inhalation: | No |
| Ingestion: | Yes |
| Effects of Exposure: | Product not expected to be toxic by inhalation. Skin contact may cause slight irritation and allergic reaction. Swallowing may cause slight irritation of the mouth. Eye contact can cause slight transient irritation. |
| Carcinogenicity of material: | No information is available and no adverse Carcinogenic effects are anticipated. |
| Reproductive effects: | Butyl benzyl phthalate possibly causes toxicity to human reproduction or development. |
| Teratogenicity: | No information is available and no adverse Teratogenic effects are anticipated. |
| Mutagenicity: | No information is available and no adverse Mutagenic effects are anticipated. |
| Sensitization of the material: | As a result of previous exposure, certain individuals develop sensitization which will cause them to react to a later exposure to product at levels well below the TLV. Symptoms may include allergic reactions. |

## 7. PREVENTIVE MEASURES

| | |
|---|---|
| Eye Protection: | Chemical safety goggles with side shields when there is a potential for eye contact. |
| Skin Protection: | Impervious gloves on continuos basis. |
| Respiratory Protection: | Not required. |
| Engineering Controls: | General ventilation. |
| Leak/Spill Clean-Up Procedures: | Ventilate enclosed spaces. Collect product for disposal. Notify applicable government authority if release is reportable or could adversely affect the environment. |
| Storage Instructions: | Keep away from heat, sparks, and open flames. |

## 8. FIRST AID MEASURES

Eye Contact:
In case of eye contact, immediately flush eyes with running water for a minimum of 15 minutes. Hold eyelids open during flushing. If irritation persists, repeat flushing. Obtain medical attention immediately.
Skin Contact:
For skin, wash thoroughly with soap and water. If irritation develops, get medical attention.
Inhalation:
If affected by inhalation of vapour or spray mist, move to fresh air. Get medical attention if breathing is difficult.
Ingestion:
If swallowed, do not induce vomiting. If vomiting occurs, keep head below hips to prevent aspiration into lungs. Rinse mouth with water. Drink 1-2 glasses of milk to dilute product. Water may be used instead but is not as effective. Never give anything by mouth to an unconscious person. Obtain medical attention immediately.

## 9. TRANSPORT INFORMATION

| | |
|---|---|
| Proper Shipping Name: | Not Regulated. |
| UN Number: | Not Applicable. |
| Class or Division: | Not Applicable. |
| Sub Risk: | Not Applicable. |
| Packing Group: | Not Applicable. |

## 10. REGULATORY INFORMATION

**U.S. Federal Regulations**

**Occupational Safety and Health Administration (OSHA)**
**29 CFR 1910.1200 Hazard Category:**
Irritant – skin and eyes; Skin sensitizer; target organ effects reported.

**Toxic Substances Control Act (TSCA):** All components of this product are included on the TSCA inventory.

**Comprehensive Environmental Response and Liability Act of 1980 (CERCLA) Hazardous Substances:**

| Chemical Name | CAS Number | Reportable Quantity (RQ) |
|---|---|---|
| Butyl benzyl phthalate | 85-68-7 | 100 |

**CAA, Section 112 Hazardous Air Pollutants:**

| Chemical Name | CAS Number | Concentration |
|---|---|---|
| None | NA | NA |

**Superfund Amendments and Reauthorization Act (SARA) Title III Information:**
**SARA (EPCRA) Section 311/312 (40 CFR 370) Hazard Categories:**
Immediate Hazard: Yes
Delayed Hazard: Yes
Fire Hazard: No
Pressure Hazard: No
Reactivity Hazard: No

**This product contains the following extremely hazardous substance(s) subject to the reporting requirements of SARA (EPCRA) Section 302:**

| Chemical Name | CAS Number | Concentration |
|---|---|---|
| None | NA | NA |

**This product contains the following toxic chemical(s) subject to reporting requirements of SARA (EPCRA) Section 313 (40 CFR 372)**

| Chemical Name | CAS Number | Concentration |
|---|---|---|
| None | NA | NA |

**State Regulations**

**California:** This product contains the following chemicals(s) known to the State of California to cause cancer, birth defects or reproductive harm:

| Component | CAS Number | Maximum % |
|---|---|---|
| Butyl benzyl phthalate | 85-68-7 | 3 – 7 % |

**International Regulations**

**Canadian Workplace Hazardous Materials Information System (WHMIS):**
D2A, D2B

**Canadian Environmental Protection Act (DSL):** All of the components of this product are included on the Canadian Domestic Substances list (DSL).

**European Inventory of Existing Chemicals (EINECS):** All of the components of this product are included on EINECS.

## 11. OTHER INFORMATION

**VOC Compliance Statement:**

**VOC Content – Less Exempts:** < 10 g/l (0.08 lb/gal)

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. **This MSDS is valid for three years.**

The information contained herein is based on data considered accurate. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Dominion Sure Seal assumes no responsibility for personal injury or property damage to vendees or users or third parties, caused by the material. Such vendees or users assume all risks with the use of the material.

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| Emergency telephone numbers: | Dominion Sure Seal (8 AM TO 4 PM EST)<br>(905)670-5411<br>CANUTEC (24 HR)<br>(613) 996 – 6666 |
| Product Name: | Semi-Rigid Plastic Repair Part B |
| Product Code: | XPSAP Part B 4013 |
| Synonyms: | Not Applicable |
| Chemical Family: | Organic |
| Molecular Formula: | Mixture |
| Product Use: | Curing Agent |
| Prepared by: | Regulatory Department |
| Preparation Date: | June 1, 2014 |

## 2. HAZARDOUS INGREDIENTS

| Hazardous Ingredients | CAS Number | Wt. % | TLV ppm | LD/50 Route, Species | LC/50 Route, Species |
|---|---|---|---|---|---|
| Poly alkoxylated hydroxyalkyl thiol | Proprietary | 30-60 | Not Available | Not Available | Not Available |
| 2,4,6-Tri (dimethylamino methyl) phenol | 90-72-2 | 3-7 | 5 | 1670 mg/kg (oral, rat)<br>1400 mg/kg (dermal, rbt) | 0.5 mg/L (rat, 4h) |

The other components of this product are not considered hazardous under applicable U.S. OSHA and/or Canadian WHMIS regulations.

## 2. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| Physical State | Liquid |
| Appearance | Beige paste |
| Odour | Mercaptan |
| Odour Threshold | Not Available |
| Boiling Point (Deg.C) | Not Available |
| Melting/Freezing Point (Deg. C) | Not Available |
| Vapour Density (Air = 1) | > 1 |
| Specific Gravity (Estimate) | 1.6 |
| Vapour Pressure (mm Hg) | Not Available |
| Evaporation Rate, n-Butyl Acetate = 1 | < 1 |
| pH | Slightly Acidic |
| Solubility in Water | Slight |

## 4. FIRE AND EXPLOSION HAZARD

| | |
|---|---|
| Flammability: | No |
| If Yes, Under Which Conditions: | Not Applicable. |
| Flammability Limits in Air (%): | Not Available |
| Flash Point (TCC deg.C) | 149 |
| Autoignition Temperature (Deg. C): | Not Available |
| Hazardous Combustion Products: | Carbon monoxide, Nitrogen oxides, Sulphur oxides. |
| Sensitivity to Mechanical Impact: | Not available. Not expected to be sensitive to mechanical impact. |
| Rate of Burning: | Not available. |
| Explosive Power: | Not available. |
| Sensitivity to Static Discharge: | Not available. Not expected to be sensitive to static discharge. |
| Extinguishing Media: | Use any media that is appropriate for the surrounding fire. |

## 5. REACTIVITY DATA

| | |
|---|---|
| Chemical Stability: | Yes, under normal conditions. |
| Compatibility with Other Substances: | No, with strong oxidizing agents, strong bases, epoxies. |
| Hazardous Products of Decomposition: | Carbon monoxide, Oxides of nitrogen, Oxides of sulphur, Hydrogen sulphide. |
| Hazardous Polymerisation: | Will not occur. |

## 6. TOXICOLOGICAL PROPERTIES

| | |
|---|---|
| Route of Entry: | |
| Skin Contact: | Yes |
| Skin Absorption: | Yes |
| Eye Contact: | Yes |
| Inhalation: | Yes |
| Ingestion: | Yes |
| Effects of Exposure: | Vapors might be irritating to eyes, nose, throat and respiratory tract. Product is moderately irritating to eyes. Skin contact may cause irritation. Prolonged contact may lead to dermatitis. Swallowing may cause burning of the mouth and stomach. Other possible effects are abdominal pain, nausea and diarrhea. |
| Carcinogenicity of material: | No information is available and no adverse Carcinogenic effects are anticipated. |
| Reproductive effects: | No information is available and no adverse Reproductive effects are anticipated. |
| Teratogenicity: | No information is available and no adverse Teratogenic effects are anticipated. |
| Mutagenicity: | No information is available and no adverse Mutagenic effects are anticipated. |

## 7. PREVENTIVE MEASURES

| | |
|---|---|
| Eye Protection: | Chemical safety goggles with side shields. |
| Skin Protection: | Rubber gloves. |
| Respiratory Protection: | If exposure exceeds occupational limits, wear a NIOSH approved air-purifying respirator with organic vapour cartridges for mists and vapours. |
| Engineering Controls: | Exhaust ventilation is recommended if used indoors on continuous basis. |
| Leak/Spill Clean-Up Procedures: | Ventilate enclosed spaces. Collect product for disposal. Notify applicable government authority if release is reportable or could adversely affect the environment. |
| Storage Instructions: | Keep away from heat, sparks, and open flames. |

## 8. FIRST AID MEASURES

Eye Contact:
In case of eye contact, immediately flush eyes with running water for a minimum of 15 minutes. Hold eyelids open during flushing. If irritation persists, repeat flushing. Obtain medical attention immediately.
Skin Contact:
For skin, wash thoroughly with soap and water. If irritation develops, get medical attention.
Inhalation:
If affected by inhalation of vapour or spray mist, move to fresh air. Get medical attention if breathing is difficult.
Ingestion:
If swallowed, do not induce vomiting. If vomiting occurs, keep head below hips to prevent aspiration into lungs. Rinse mouth with water. Drink 1-2 glasses of milk to dilute product. Water may be used instead but is not as effective. Never give anything by mouth to an unconscious person. Obtain medical attention immediately.

## 9. TRANSPORT INFORMATION

| | |
|---|---|
| Proper Shipping Name: | Not Regulated |
| UN Number: | Not Applicable |
| Class or Division: | Not Applicable |
| Packing Group: | Not Applicable |

## 10. REGULATORY INFORMATION

**U.S. Federal Regulations**

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**29 CFR 1910.1200 Hazard Category:**
Irritant – skin and eyes; Skin sensitizer; target organ effects reported.

**Toxic Substances Control Act (TSCA):** All components of this product are included on the TSCA inventory.

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| Chemical Name | CAS Number | Reportable Quantity (RQ) |
|---|---|---|
| None | NA | NA |

**CAA, Section 112 Hazardous Air Pollutants:**

| Chemical Name | CAS Number | Concentration |
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| None | NA | NA |

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D2B

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