

**MATERIAL SAFETY DATA SHEET**

**1. IDENTIFICATION OF SUBSTANCE, PREPARATION AND OF THE COMPANY**

Product Code: XSM11002 Part A  
 Product Name: 2 Part Epoxy Small Panel Adhesive  
 Synonyms: Not Applicable  
 Chemical Family: Organic  
 Molecular Formula: Mixture  
 Product Use: Adhesive  
 Manufacturer: Dominion Sure Seal Group of Companies  
 6175 Danville Road, Mississauga, Ontario  
 Canada, L5T 2H7  
 (905)670-5411  
 Emergency telephone numbers: Dominion Sure Seal (8 AM TO 4 PM EST)  
 (905)670-5411  
 Prepared by: Regulatory Department  
 Preparation Date: June 1, 2014

**2. COMPOSITION/INFORMATION ON 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 | 40-70 | Not Available | 5,000 mg/Kg (ORL-RAT)<br>20,000 mg/Kg (DRM-RBT)   | Not Available        |
| Butyl Benzyl Phthalate                             | 85-68-7    | 3-7   | 5 mg/M3       | 20,400 mg/Kg (ORL-RAT)<br>10,000 mg/Kg (DRML-RBT) | 6.7 mg/L/4H (RAT)    |
| Glycidyl Ether of C12-C14 Alcohol                  | 68609-97-2 | 7-13  | Not Available | 17,100 mg/Kg (ORL-RAT)                            | Not Available        |

**2. HAZARDOUS INGREDIENTS (CONTINUED)**

| Hazardous Ingredients                                 | CAS Number | Wt. % | TLV ppm  | LD/50 Route, Species | LC/50 Route, Species |
|-------------------------------------------------------|------------|-------|----------|----------------------|----------------------|
| Talc                                                  | 14807-96-9 | 7-13  | 2 mg/M3  | Not Available        | Not Available        |
| Black Iron Oxide                                      | 1317-61-9  | 1-5   | 10 mg/M3 | Not Available        | Not Available        |
| Siloxanes and Silicones Reaction Products with Silica | 67762-90-7 | 1-5   | 10 mg/M3 | Not Available        | Not Available        |
| Soda Lime Borosilicate Glass                          | 65997-17-3 | 1-5   | 10 mg/M3 | Not Available        | Not Available        |

**3. HAZARDS IDENTIFICATION**

Irritating to eyes and skin. May cause sensitisation by skin contact. May cause harm to the unborn child. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**4. FIRST AID MEASURES**

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. For skin, wash thoroughly with soap and water. If irritation develops, get medical attention. If affected by inhalation of vapour or spray mist, move to fresh air. If swallowed, do not induce vomiting. Rinse the mouth. Drink 1-2 glasses of milk to dilute product. Water may be used instead but not as effective. Obtain medical attention IMMEDIATELY.

**5. FIRE-FIGHTING MEASURES**

|                                    |                 |
|------------------------------------|-----------------|
| Flammability:                      | Not.            |
| If Yes, Under Which Conditions:    | Not Applicable. |
| Flammability Limits in Air (%):    | Not Available   |
| Flash Point (TCC deg.C)            | >150            |
| Autoignition Temperature (Deg. C): | Not Available   |

## Dominion Sure Seal

## 2 Part Epoxy Small Panel Adhesive XSM11002 Part A

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|                                   |                                                                   |
|-----------------------------------|-------------------------------------------------------------------|
| Hazardous Combustion Products:    | Carbon monoxide, Silicone Dioxide.                                |
| 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.       |

### 6. ACCIDENTAL RELEASE MEASURES

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|                                 |                                                                                                                                                                     |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal Precautions:           | Provide sufficient ventilation. Refer to section 7 and 8.                                                                                                           |
| Environmental Precautions:      | Do not empty into drains. If product contaminates lakes, rivers and sewages, inform appropriate authorities in accordance with local regulations.                   |
| 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. |

### 7. HANDLING AND STORAGE

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|                       |                                                                                  |
|-----------------------|----------------------------------------------------------------------------------|
| Handling Procedures:  | Maintain a good personal hygiene. Avoid skin contact.                            |
| Storage Instructions: | Keep away from moisture, heat, sparks, and open flames. Keep away from freezing. |

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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|                                |                                                                                          |
|--------------------------------|------------------------------------------------------------------------------------------|
| Personal Protective Equipment: |                                                                                          |
| Eye Protection:                | Chemical safety goggles with side shields.                                               |
| Skin Protection:               | Laminate or butyl rubber gloves/Breakthrough Time > 480 minutes.                         |
| Respiratory Protection:        | Not required at normal conditions of use. If exposure exceeds occupational limits wear a |

Engineering Controls: NIOSH approved air-purifying respirator with organic vapour cartridges for mists and vapours. General ventilation.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|                                                |                                       |
|------------------------------------------------|---------------------------------------|
| Physical State                                 | Paste                                 |
| Appearance                                     | Black                                 |
| Odour                                          | Pungent                               |
| Odour Threshold                                | Not Available                         |
| Boiling Point (Deg.C)                          | Not Available                         |
| Melting/Freezing Point (Deg. C)                | Not Available                         |
| Vapour Density (Air = 1)                       | > 1                                   |
| Specific Gravity                               | 1.0                                   |
| Vapour Pressure (mm Hg)                        | Not Available                         |
| Evaporation Rate, n-Butyl Acetate = 1          | < 1                                   |
| PH                                             | Not Applicable                        |
| Solubility in Water                            | Slight                                |
| Partition Coefficient (n-Octanol/Water)        | Not Available                         |
| Exposure Properties (TLV, mg/M3)               | Not Available                         |
| Breakthrough Detection Time, material: minutes | Laminate: > 480<br>Butyl Ruber: > 480 |

**10. STABILITY AND REACTIVITY**

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, Fumed Silica.  
 Hazardous Polymerisation: Polymerization with heat built up when in contact

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with aliphatic amine.

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**11. TOXICOLOGICAL INFORMATION**

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Route of Entry:

|                  |     |
|------------------|-----|
| Skin Contact:    | Yes |
| Skin Absorption: | Yes |
| Eye Contact:     | Yes |
| Inhalation:      | No  |
| Ingestion:       | Yes |

Effects of Exposure:

Vapors are not considered a problem at normal temperature. Skin contact may cause its irritation. Prolonged contact may lead to dermatitis. Repeated/prolonged exposure may cause an allergic eczema reaction/sensitization. One sensitized, an individual may produce an allergic reaction every time he is in contact with epoxy resin. Eye contact will cause eyes irritation. 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:

Butyl Benzyl Phthalate is reported as Reproductive toxin.

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:

May cause sensitizing effect/allergic reaction in sensitive individuals.

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**12. ECOLOGICAL INFORMATION**

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This product may be dangerous for environment. Do not empty into water or drains.

**13. DISPOSAL CONSIDERATION**

Waste Disposal: Spilled material and water rinses are classified as chemical waste and must be disposed of in accordance with current local, provincial and federal regulations. Incineration is the preferred method. This product may be dangerous for environment. Do not empty into water or drains.

**14. TRANSPORT INFORMATION**

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

**15. REGULATORY INFORMATION**

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WHMIS Classification (Canada): D1A, D2A, D2B

**16. OTHER INFORMATION**

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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.