MATERIAL SAFETY DATA SHEET

1. PRODUCT AND PREPARATION INFORMATION

Manufacturer:	Dominion Sure Seal Group of Companies 6175 Danville Road, Mississauga, Ontario Canada, L5T 2H7 (905)670-5411 U.S.A. 1-800-265-0790
Emergency telephone numbers:	Dominion Sure Seal (8 AM TO 4 PM EST) (905)670-5411 CANUTEC (24 HR) (613) 996 – 6666
Product Name:	EZ Liner, Part A
Product Stock:	BEZLG, Part A
Product Code:	100105
Synonyms:	Not Applicable
Chemical Family:	Aromatic Isocyanate Prepolymer
Molecular Formula:	Mixture
Product Use:	Bed Liner Coating
Prepared by:	Regulatory Department
Preparation Date:	February 22, 2012

2. HAZARDOUS INGREDIENTS

Hazardous Ingredients	CAS Number	Wt. %	TLV	LD/50 Route, Species	LC/50 Route, Species
p-Chlorobenzo trifluoride (PCBTF)	98-56-6	30 – 50	50 ppm	>6800; 13,000 mg/kg (oral-rat) >2700 mg/kg (dermal-rbt)	33,000;22,000 mg/m3 (rat, 4h) 20,000 mg/m3 (mouse)
Diphenylmethane -4,4'-diisocyanate	101-68-8	5 – 15	0.005 ppm	>5000 mg/kg (oral-rat) >5000 mg/kg (dermal-rbt)	490 mg/m^3 (spray mist – 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	Black
Odour	Naphthenic
Odour Threshold	Not Available
Boiling Point (Deg.C)	136 - 138 (Start)
Melting/Freezing Point (Deg. C)	Not Available
Vapour Density (Air = 1)	> 1
Specific Gravity (Estimate)	1.3 g/cc
Vapour Pressure (mm Hg)	Not Available
Evaporation Rate, n-Butyl Acetate = 1	> 1
PH	Not Applicable
Solubility in Water	Partial

4. FIRE AND EXPLOSION HAZARD

Flammability:	Yes
If Yes, Under Which Conditions:	Excessive heat, sparks and open flame.
Flammability Limits in Air (%):	0.9 – 10.5
Flash Point (TCC deg.C)	43
Autoignition Temperature (Deg. C):	650
Hazardous Combustion Products:	Carbon monoxide, Nitrogen Oxides, MDI vapors, Cyanides.
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:	Cannot acculmulate a static discharge.
Extinguishing Media:	Carbon Dioxide, dry chemicals, foam, water fog. In case of a large fire cool containers with water jet in order to prevent pressure build up, autoignition or explosion.

5. REACTIVITY DATA

Chemical Stability:	Yes, under normal conditions.
Compatibility with Other Substances:	No, with strong oxidizing agents.
Hazardous Products of Decomposition:	Carbon monoxide, Nitrogen oxides, MDI vapors, Cyanides.
Hazardous Polymerisation:	At temperatures above 204 ºC MDI can polymerize and decompose which can cause pressure build-up in closed containers. Explosive rupture is possible.

6. TOXICOLOGICAL PROPERTIES

Route of Entry:	
Skin Contact:	Yes
Skin Absorption:	Yes
Eye Contact:	Yes
Inhalation:	Yes
Ingestion:	Yes
Effects of Exposure:	At room temperature, vapors are minimal due to the low vapor pressure. As a result, no hazardous concentrations are likely to form in work areas at room temperature. Heating the material (> 40 ºC) may generate vapor concentrations sufficient to cause irritation of the eyes, upper respiratory tract and lungs. Effects may be delayed. Symptoms may include coughing, difficult breathing and feeling of tightness in the chest. Skin contact will cause irritation. Eye contact will cause irritation. If left untreated, corneal damage can occur and the injury is slow to heal, however, damage is usually reversible The single dose toxicity of polymeric MDI is low. Swallowing may cause irritation in the mouth and digestive tract. Symptons can include sore throat, abdominal pain, nausea and diarrhea.
Carcinogenicity of material:	MDI in the form of respirable aerosols is classified as a carcinogen, category III “Substances which cause concern for man owing to possible carcinogenic effects”.
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.
Sensitization of the material:	Prolonged and repeated exposure can cause skin and respiratory sensitization in susceptible individuals.

7. PREVENTIVE MEASURES

Eye Protection:	Tightly fitting safety goggles. Eye wash bottle with pure water. Contact lenses should not be worn when working with this product.
Skin Protection:	Wear impervious gloves and clothing.
Respiratory Protection:	Not required under normal conditions of use, however, if vapour formation exceeds occupational limits wear an approved air-purifying respirator with organic vapour cartridges for mists and vapours. Wear respirator if used in a poorly ventilated area.
Engineering Controls:	Exhaust ventilation is recommended if used indoors on continuous basis.
Leak/Spill Clean-Up Procedures:	Ventilate enclosed spaces. Collect product for disposal. Do not use combustible materials such as sawdust as an absorbent. Eliminate all sources of ignition. . Decontaminate area with solution: 93% water, 5% concentrated ammonia, 2% detergent. Let stand for at least 15 minutes. Notify applicable government authority if release is reportable or could adversely affect the environment.
Storage Instructions:	Keep away from moisture, heat, sparks, and open flames.

8. FIRST AID MEASURES

Inhalation:	If affected by inhalation of vapour, move to fresh air. If breathing becomes difficult, get medical attention.
Skin Contact:	For skin, wash thoroughly with soap and water. Remove contaminated clothing. Wash contaminated clothing thoroughly before re-use If irritation persists, get medical attention.
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.

Ingestion:	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.
General Advice:	Not data available.

9. TRANSPORT INFORMATION

Not Dangerous Goods – see Notes below:

Proper Shipping Name:	Coating Solution
UN Number:	1139
Class or Division:	3
Sub Risk:	Not Applicable
Packing Group:	III

NOTE: PCBTF has a flash point > 35 °C and does not sustain combustion under ASTM D4206. Therefore pursuant to DOT 173.120 (a)(3) and equivalent international regulations this material is not considered flammable.
NOTE: With an inner packaging < 1.0 L, this component may be renamed "Consumer Commodity" and reclassed as an ORM-D material as per DOT 173.150 (b) & (c).

10. REGULATORY INFORMATION

U.S. Federal Regulations

Occupational Safety and Health Administration (OSHA)
29 CFR 1910.1200 Hazard Category:
Irritant – skin and eyes; Respiratory and skin sensitizer; Combustible; 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)
Methylene bis(phenylisocyanate)	101-68-8	5000

CAA, Section 112 Hazardous Air Pollutants:

Chemical Name	CAS Number	Concentration
Methylene bis(phenylisocyanate)	101-68-8	~10 %

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: Yes
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
Methylene bis(phenylisocyanate)	101-68-8	~ 10 %

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 %
None	NA	NA

International Regulations

Canadian Workplace Hazardous Materials Information System (WHMIS):
B3, 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:

Part A VOC Content – Less Exempts: < 10 g/l (0.08 lbs/gal)
Part A VOC Content – Total Material: < 10 g/l (0.08 lbs/gal)
Part A Density: 1.3 g/ml
Part A Volatiles Content: 40.0 ± 5 % by weight
Part A Exempt Content: 40.0 ± 5 % by weight (~ 39 % by volume)

Coating Category: Truck Bed Liner Coating
Mixed Kit VOC Content, as applied:
– Less Exempts: < 10 g/l (0.08 lbs/gal)
– Total Material: < 10 g/l (0.08 lbs/gal)
Mixed kit VOC content meets the 310 g/l (2.6 lbs/gal) limit for Truck Bed Liner Coatings. California compliant. Do not thin with solvents.

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.**

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