

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: Sure Seal Adhesive Sealant - White
Product Stock: CSW
Product Code: 9002 - White
Synonyms: Not Applicable
Chemical Family: Organic
Molecular Formula: Mixture
Product Use: Seam & Joint Sealant, Automotive Use
Prepared by: Regulatory Department
Preparation Date: March 31, 2011

2. HAZARDOUS INGREDIENTS

Hazardous Ingredients	CAS Number	Wt. %	TLV	LD/50 Route, Species	LC/50 Route, Species
Toluene	108-88-3	15 – 30	50 ppm	5,500; 7000 mg/kg (oral-rat) 12,270 mg/kg (dermal-rbt)	49,000mg/m ³ (rat, 4h) 30,000mg/m ³ (2h)&19,900 mg/ m ³ (7h, mouse)

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	Paste
Appearance	White
Odour	Aromatic
Odour Threshold	0.2 ppm
Boiling Point (Deg.C)	111 (Start)
Melting/Freezing Point (Deg. C)	Not Available
Vapour Density (Air = 1)	> 1
Specific Gravity (Estimate)	1.15 to 1.20
Vapour Pressure (mm Hg)	Not Available
Evaporation Rate, n-Butyl Acetate = 1	> 1
pH	Not Applicable
Solubility in Water	Not Available

4. FIRE AND EXPLOSION HAZARD

Flammability:	Yes
If Yes, Under Which Conditions:	Excessive heat, sparks and open flame.
Flammability Limits in Air (%):	1.0 - 7.0
Flash Point (TCC deg.C)	4
Autoignition Temperature (Deg. C):	480
Hazardous Combustion Products:	Carbon monoxide, Oxides of Silica.
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. Expected to be sensitive to static discharge when vapours in air are between the flammability limits.
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, Oxides of Silica.
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 are irritating to the eyes, nose, throat and respiratory tract. Prolonged exposure to high vapor concentrations may be harmful and cause adverse effects including labored breathing, dizziness, drowsiness, and headache. Eye contact may cause irritation. Skin contact may cause irritation. Prolonged contact may cause defatting of the skin resulting in irritation, itching, dryness and cracking of the skin. Prolonged and repeated skin contact may lead to dermatitis. Swallowing may cause burning of the mouth and stomach. Toluene is readily absorbed following ingestion producing symptoms similar to those described for inhalation.

Carcinogenicity of material:

No information is available and no adverse carcinogenic effects are anticipated.

Reproductive effects:

Animal tests show that toluene 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:

Material is not expected to be a skin or respiratory sensitizer.

7. PREVENTIVE MEASURES

Eye Protection:

Chemical safety glasses/goggles with side shields is the minimum requirement.

Skin Protection:

Wear chemical resistant gloves.

Respiratory Protection:

Wear a NIOSH/MSHA approved respirator if exposure exceeds occupational limits (Toluene: 50 ppm).

Engineering Controls:

Exhaust ventilation is recommended if used indoors on continuous basis.

Dominion Sure Seal

Sure Seal Adhesive Sealant CSW - White

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. 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

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:	Adhesives
UN Number:	1133
Class or Division:	3
Sub Risk:	Not Applicable
Packing Group:	II

NOTE: With an inner packaging < 1.0 L, this component may be renamed "Consumer Commodity" and reclassified 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; Flammable; 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)
Toluene	108-88-3	1000

CAA, Section 112 Hazardous Air Pollutants:

Chemical Name	CAS Number	Concentration
Toluene	108-88-3	18 – 23 %

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
Toluene	108-88-3	18 – 23 %

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 %
Toluene	108-88-3	18 – 23 %

International Regulations

Canadian Workplace Hazardous Materials Information System (WHMIS):

B2, 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:	400 g/l (3.34 lbs/gal)
VOC Content – Total Material:	400 g/l (3.34 lbs/gal)
VOC Content – % by weight:	35 % max
Density:	1.15 to 1.20 g/ml
Volatiles Content:	30 to 35 % by weight
Exempt Content:	0 % by weight (0 % by volume)
VOC Regulation:	CARB, OTC, (proposed Canada) – Consumer Product Regulations
Product Category:	Sealant & Caulking Compounds
Status:	Exempt

California compliant. Exempt under Adhesives and Sealants district rules (meets small container exemption - packaged in ≤ 475 ml (16 fl oz) cartridges) but is covered by the CARB Consumer Product Regulations.

This product is also exempt from the CARB Consumer Product Regulations. It meets the exclusive automotive use only exemption under the Sealants & Caulking Compounds product category.

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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