

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: Super Protector Paintable Rubberized Undercoat
 Product Stock: BUR1
 Product Code: 1033
 Synonyms: Not Applicable
 Chemical Family: Coating
 Molecular Formula: Mixture
 Product Use: Underbody Coating, Automotive Use
 Prepared by: Regulatory Department
 Preparation Date: June 1, 2012

2. HAZARDOUS INGREDIENTS

Hazardous Ingredients	CAS Number	Wt. %	TLV	LD/50 mg/kg Route, Species	LC/50 mg/m ³ Route, Species
Acetone	67-64-1	20 – 35	500 ppm	5250 to 8400 (oral-various) >15,700 (dermal-rbt)	50,100 (rat,8h)
Toluene	108-88-3	15 – 25	50 ppm	5,500; 7000 (oral-rat) 12,270 (dermal- rbt)	49,000 (rat, 4h) 30,000 (2h) & 19,900 (7h), (mouse)
Heptane	142-82-5	1 – 5	500 ppm	Not Available	103,000(rat,4h)

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

NON-Hazardous Ingredients	CAS Number	Wt. %	TLV	LD/50 mg/kg Route, Species	LC/50 Route, Species
Carbon Black	1333-86-4	0.5-1.5	3.5 mg/m3	>8000 (oral-rat)	Not Available

2. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Black
Odour	Ketone
Odour Threshold	N/A
Boiling Point (Deg.C)	56 (Acetone)
Melting/Freezing Point (Deg. C)	Not Available
Vapour Density (Air = 1)	> 1
Specific Gravity (Estimate)	1.10
Vapour Pressure (mm Hg)	24 kPa (Acetone)
Evaporation Rate, n-Butyl Acetate = 1	> 1
pH	Not Applicable
Solubility in Water	Partially Miscible

4. FIRE AND EXPLOSION HAZARD

Flammability:	Yes
If Yes, Under Which Conditions:	Excessive heat, sparks and open flame.
Flammability Limits in Air (%):	2.5 – 12.8
Flash Point (deg.C)	-18 (Acetone; CC)
Autoignition Temperature (Deg. C):	Not available
Hazardous Combustion Products:	Carbon monoxide.
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. 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.
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:	Carbon black has been listed by IARC as group 2B – possibly carcinogenic to humans. Carbon black is not designated as a carcinogen by NTP, OSHA, ACGIH or the EU.
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 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 (see Section 2).
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. 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:	Coating Solution
UN Number:	1139
Class or Division:	3
Sub Risk:	Not Applicable
Packing Group:	II

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
Acetone	67-64-1	5000

CAA, Section 112 Hazardous Air Pollutants:

Chemical Name	CAS Number	Concentration
Toluene	108-88-3	18 – 22 %

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 – 22 %

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 – 22 %

International Regulations**Canadian Workplace Hazardous Materials Information System (WHMIS):**

B2, 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:	415 g/l (3.46 lbs/gal)
VOC Content – Total Material:	259 g/l (2.16 lbs/gal)
VOC Content – % by Weight:	23.5 %
Density:	1.10 g/ml
Volatiles Content:	50.5 % by weight
Exempt Content:	27.0 % by weight (37.6 % by volume)

VOC Regulation: Automobile Refinish Coatings– California, Canada
Coating Category: Underbody Coating
The product VOC content meets the 430 g/l (3.6 lb/gal) limit for Underbody Coatings. California and Canada compliant. Do not thin with solvents.

VOC Regulation: U.S. EPA - Automobile Refinish Coatings
Coating Category: Specialty Coatings (Underbody Coatings)
The product VOC content meets the U.S. EPA 840 g/l (7.0 lbs/gal) limit for Specialty Coatings.

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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