

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: Adhesion Promoter

Product Stock: XPPPQ XPPP1 XPPP5

Product Code: 400100 400101 400105

Synonyms: Not Applicable

Chemical Family: Organic Solvents

Molecular Formula: Mixture

Product Use: Adhesion promoter

Prepared by: Regulatory Department

Preparation Date: October 28, 2012

2. HAZARDOUS INGREDIENTS

Hazardous Ingredients	CAS Number	Wt. %	TLV	LD/50 mg/kg Route, Species	LC/50 Route, Species
Toluene	108-88-3	60 – 100	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)&19,900mg/ m ³ (7h, mouse)
Xylene (mixed isomers) *	1330-20-7	1 – 5	100 ppm	5,400 (oral-rat) 5251; 5627(oral- mouse) 12,180 (m-xylene; dermal-rbt)	6350; 6700 ppm (rat, 4h)

* Xylene is known to contain 18 – 20% by weight Ethylbenzene CAS # 100-41-4.

3. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Clear to slight haze
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)	0.87
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:	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, Chlorine 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. 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 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, Chlorine oxides.
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 eyes, nose, throat and respiratory tract. Prolonged exposure to high vapor concentrations may cause headache. May cause defatting, drying and cracking of the skin. Prolonged and repeated contact may lead to dermatitis. Swallowing may cause burning sensation of the mouth and stomach. Other possible effects are nausea and diarrhea.
Carcinogenicity of material:	Ethylbenzene is listed by IARC as 2B – The chemical is possibly carcinogenic to humans.
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:	Use chemical safety goggles when there is potential for eye contact.
Skin Protection:	Rubber gloves.
Respiratory Protection:	If exposure exceeds occupational limits (50 ppm), 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. 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 heat, sparks, and open flames.

8. 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.

9. TRANSPORT INFORMATION

Proper Shipping Name:	Paint Related Material
UN Number:	1263
Class or Division:	3
Sub Risk:	Not Applicable
Packing Group:	II

NOTE: With an inner packaging < 5.0 L, XPPPQ & XPPP1 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
Xylene (mixed isomers)	1330-20-7	100
Ethylbenzene	100-41-4	1000

CAA, Section 112 Hazardous Air Pollutants:

Chemical Name	CAS Number	Concentration
Toluene	108-88-3	90 – 95 %
Xylene (mixed isomers)	1330-20-7	2 – 3 %
Ethylbenzene	100-41-4	0.5 – 1.0 %

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	90 – 95 %
Xylene (mixed isomers)	1330-20-7	2 – 3 %
Ethylbenzene	100-41-4	0.5 – 1.0 %

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	90 – 95 %
Ethylbenzene	100-41-4	0.5 – 1.0 %

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 – as supplied:	≤ 840 g/l (7.0 lb/gal)
Density:	0.87 g/ml
Exempt Content:	0 % by weight (0 % by volume)

Coating Category: Canada - Adhesion Promoter
Product VOC content meets the Canadian 840 g/l (7.0 lb/gal) limit for Adhesion Promoter.

Coating Category: U.S. EPA Specialty Coating (Adhesion Promoter)
Product VOC content meets the U.S. EPA 840 g/l (7.0 lb/gal) limit for Specialty Coatings.

**Not for sale in California.
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.**

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.