

## SECTION 1 - PRODUCT INFORMATION

|   |   |   |   |
|---|---|---|---|
| <b>Product Identifier:</b><br>16-246 S/P URE IND BARRIER LT ORNG-E340 |   |   |   |
| <b>Product Use:</b> Protective Coating                                |   |   |   |
| <b>Manufacturer's Name:</b> General Paint Corp.                       |   | <b>Supplier's Name:</b> General Paint Corp. |   |
| <b>Street Address:</b> 950 Raymur Ave                                 |   | <b>Street Address:</b> 950 Raymur Ave       |   |
| <b>City:</b> Vancouver  | <b>Province:</b> BC                       | <b>City:</b> Vancouver                      | <b>Province:</b> BC                       |
| <b>Postal Code:</b><br>V6A 3L5  | <b>Emergency Phone:</b><br>(604) 253-4022 | <b>Postal Code:</b><br>V6A 3L5              | <b>Emergency Phone:</b><br>(604) 253-4022 |

## SECTION 2 - HAZARDOUS INGREDIENTS

| Hazardous Ingredients( <i>Specific</i> ) | %           | CAS Number | LD 50 of Ingredient(Specify species,route) | LC 50 of Ingredient(Specify species) |
|--|-------------|------------|--|--------------------------------------|
| ETHYLBENZENE                             | 0.14 - 0.24 | 100-41-4   | 3500 MG/KG(ORAL, RAT)                      | 4000 PPM(VAPOR, RAT)                 |
| 1,3,5-TRIMETHYLBENZENE                   | 0.28 - 0.4  | 108-67-8   | 23000 MG/KG(ORAL, RAT)                     | 2240 PPM(VAPOR, RAT)                 |
| IRON OXIDE FUME                          | 1.4 - 1.41  | 1309-37-1  | NOT AVAILABLE                              | NOT AVAILABLE                        |
| XYLENE (MIXED ISOMERS)                   | 0.68 - 1.26 | 1330-20-7  | 5400 MG/KG(ORAL, RAT)                      | 6350 PPM(VAPOR, RAT)                 |
| TITANIUM DIOXIDE                         | 2.2 - 2.75  | 13463-67-7 | NOT AVAILABLE                              | NOT AVAILABLE                        |
| TERT-BUTYL ACETATE                       | 16          | 540-88-5   | 4100 MG/KG(ORAL, RAT)                      | 2000 PPM(VAPOR, RABBIT)              |
| HIGH FLASH AROMATIC NAPHTHA              | 1.26 - 1.39 | 64742-95-6 | 2900 MG/KG(ORAL, RAT)                      | NOT AVAILABLE                        |
| MINERAL SPIRITS                          | 23 - 25     | 8052-41-3  | 5000 MG/KG(ORAL, RAT)                      | 5500 PPM(VAPOR, RAT)                 |
| 1,2,4-TRIMETHYLBENZENE                   | 1.09 - 1.25 | 95-63-6    | 5000 MG/KG(ORAL, RAT)                      | NOT AVAILABLE                        |

## SECTION 3 - PHYSICAL DATA

|  |   |   |  |
|--|---|---|--|
| <b>Physical State:</b><br>Liquid             | <b>Odour and Appearance:</b><br>liquid with a solvent smell | <b>Coating VOC(gm/l):</b><br>338              | <b>Odour Threshold(ppm):</b><br>Not Available                  |
| <b>Specific Gravity:</b><br>1                | <b>Vapor Density(air=1):</b><br>Not Available               | <b>Vapor Pressure(mmHg):</b><br>Not Available | <b>Evaporation Rate:</b><br>Not Available                      |
| <b>Boiling Point(° C ):</b><br>Not Available | <b>Freezing Point(° C ):</b><br>Not Available               | <b>pH:</b><br>Not Applicable                  | <b>Coefficient of Water/Oil Distribution:</b><br>Not Available |

## SECTION 4 - FIRE AND EXPLOSION DATA

|  |   |  |
|--|---|--|
| <b>Flammability:</b> Yes   | <b>If yes, Under which Conditions?</b> Flammable Liquid |  |
| <b>Means of Extinction:</b> Alcohol foam, Carbon dioxide, Dry chemical powder, Polymer foam                  |   |  |
| <b>Flashpoint and Method:</b><br>35 °C Closed Cup  | <b>Upper Flammable Lt (% by Volume):</b> Not Available  | <b>Lower Flammable Lt (% by Volume):</b> Not Available       |
| <b>Autoignition Temperature:</b><br>Not Available  | <b>Explosion Data - Sensitivity to Impact:</b> No       | <b>Explosion Data - Sensitivity to Static discharges:</b> No |
| <b>Hazardous Combustion Pdts:</b> carbon monoxide, carbon dioxide, aldehydes, carbon oxides, nitrogen oxides |   |  |

## SECTION 5 - REACTIVITY DATA

|  |   |
|--|---|
| <b>Chemical Stability:</b> Stable  | <b>If Yes, Under which Conditions?</b> Not Applicable                                 |
| <b>Incompatibility with other substances:</b> Yes  | <b>If yes, which ones?</b><br>Strong Acids<br>Strong Oxidizing agents<br>Strong Bases |
| <b>Reactivity, and under what conditions?</b> heat, ignition sources, potassium t-butoxide, nitric acid, sulfuric acid, sulfur dichloride, tetranitromethane, generation of dust, dichlorohydrantion, heat, sparks, or other ignition sources, heat, flames and sparks, oxidizing agents, extreems of temperatures |   |
| <b>Hazardous Decomposition Products:</b> carbon oxides   |   |

## SECTION 6 - TOXICOLOGICAL PROPERTIES

|  |                          |                        |                         |                        |                       |
|--|--------------------------|------------------------|-------------------------|------------------------|-----------------------|
| <b>Route of Entry</b>  | <b>Skin Contact:</b> Yes | <b>Absorption:</b> Yes | <b>Eye Contact:</b> Yes | <b>Inhalation:</b> Yes | <b>Ingestion:</b> Yes |
| <b>Effects to Acute exposure to Product:</b><br>ETHYLBENZENE has been known to cause HEADACHES, MEMORY LOSS, FATIGUE and DERMATITIS. 1,3,5-TRIMETHYLBENZENE has been known to cause NOSE, THROAT AND LUNG IRRITATION, CENTRAL NERVOUS SYSTEM DEPRESSION and SKIN AND EYE IRRITATION. XYLENE (MIXED ISOMERS) has been known to cause CENTRAL NERVOUS SYSTEM DEPRESSION, HEADACHE, DEPRESSION, DROWSINESS, INCOORDINATION and SKIN AND EYE IRRITATION. MINERAL SPIRITS has been known to cause EYE IRRITANT, NOSE IRRITANT, THROAT IRRITANT, DIZZINESS and DERMATITIS. 1,2,4-TRIMETHYLBENZENE has been known to cause CENTRAL NERVOUS SYSTEM DEPRESSION. |                          |                        |                         |                        |                       |
| <b>Effects to Chronic exposure to Product:</b><br>ETHYLBENZENE has been known to cause CENTRAL NERVOUS SYSTEM DPRESSION. 1,3,5-TRIMETHYLBENZENE has been known to cause DERMATITIS. XYLENE (MIXED ISOMERS) has been known to cause LIVER DAMAGE, KIDNEY DAMAGE, DERMATITIS. MINERAL SPIRITS has been known to cause NARCOSIS, CENTRAL NERVOUS SYSTEM DEPRESSION. 1,2,4-TRIMETHYLBENZENE has been known to cause DERMATITIS.  |                          |                        |                         |                        |                       |
| <b>Exposure Limits (Value,Units,By)</b><br>ETHYLBENZENE: 100 ppm ACGIH<br>1,3,5-TRIMETHYLBENZENE: 25 ppm ACGIH<br>IRON OXIDE FUME: 5 mg/m3 ACGIH<br>XYLENE (MIXED ISOMERS): 100 ppm ACGIH<br>TITANIUM DIOXIDE: 10 mg/m3 ACGIH<br>TERT-BUTYL ACETATE: 200 ppm Canada; OEL - BC,AB,ON<br>HIGH FLASH AROMATIC NAPTHA: N/A<br>MINERAL SPIRITS: 100 PPM ACGIH<br>1,2,4-TRIMETHYLBENZENE: 25 ppm ACGIH   |                          |                        |                         |                        |                       |

|  |   |
|--|---|
| <b>Irritancy (if yes, explain)</b><br>ETHYLBENZENE is a skin and eye irritant. (MODERATE SKIN AND EYE IRRITANT) XYLENE (MIXED ISOMERS) is a skin and eye irritant. TERT-BUTYL ACETATE is a skin and eye irritant. MINERAL SPIRITS is a skin and eye irritant. (MILD) |   |
| <b>Sensitization (if yes, explain)</b><br>TERT-BUTYL ACETATE is both a skin and respiratory sensitizer.  | <b>Carcinogenicity (if yes, explain)</b> ETHYLBENZENE is considered to be a Animal carcinogen. The agent is not likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure(A3) by ACGHI. ETHYLBENZENE is possibly carcinogenic to humans(2B) by IARC. TITANIUM DIOXIDE is possibly carcinogenic to humans(2B) by IARC. |
| <b>Reproductive Toxicity (if yes, explain)</b>   | <b>Teratogenicity (if yes, explain)</b> XYLENE (MIXED ISOMERS) may cause birth defects.   |
| <b>Mutagenicity (if yes, explain)</b>  | <b>Synergistic Products (if yes, explain)</b> 1,3,5-TRIMETHYLBENZENE may produce a toxic effect greater than the sum of these individual compounds. (Consumption of alcohol will increase the)  |

## SECTION 7 - PREVENTIVE MEASURES

|   |                       |                           |                 |                         |                         |                  |
|---|-----------------------|---------------------------|-----------------|-------------------------|-------------------------|------------------|
| <b>Personal Protective Equipment</b>  | <b>Gloves:</b><br>Yes | <b>Respirator:</b><br>Yes | <b>Eye:</b> Yes | <b>Footwear:</b><br>Yes | <b>Clothing:</b><br>Yes | <b>Other:</b> No |
| <b>If checked, specify type:</b> Gloves: BUTYL RUBBER Respirator: NIOSH APPROVED Eye: SPLASH RESISTANT  |                       |                           |                 |                         |                         |                  |
| <b>Engineering controls (specify such as ventilation, enclosed process):</b> Use mechanical ventilation to reduce exposure.   |                       |                           |                 |                         |                         |                  |
| <b>Leak and Spill Procedure:</b> Wear adequate protective equipment and eliminate all ignition sources. Contain spill with absorbant material and place in a suitable covered and labeled container for disposal. |                       |                           |                 |                         |                         |                  |
| <b>Waste Disposal:</b> Check with Federal, Provincial and local government regulations and requirements for disposal.   |                       |                           |                 |                         |                         |                  |
| <b>Handling Procedures and Equipment:</b> Use in a well ventilated area. Do not use with incompatible substances.   |                       |                           |                 |                         |                         |                  |
| <b>Storage Requirements:</b> Store in a cool, well ventilated area out of direct sunlight.  |                       |                           |                 |                         |                         |                  |
| <b>Special Shipping Information:</b> TDG Shipping Name: PAINT Classification: 3.3 Packing Group: III Identification Number: UN1263  |                       |                           |                 |                         |                         |                  |

## SECTION 8 - FIRST AID MEASURES

|  |
|--|
| <b>Inhalation:</b> Remove to fresh air. Get medical help if there is any breathing difficulty.   |
| <b>Ingestion:</b> Do not induce vomiting unless directed by a physician. If conscious and alert, give two glasses of water. Seek medical attention immediately.                            |
| <b>Skin Contact:</b> Remove Contaminated clothing (including shoes) and wash before reuse. Flush with large amounts of soap and water. If irritation persists, seek medical attention.     |
| <b>Eye Contact:</b> Flush eyes with large amounts of lukewarm water for 20 minutes, while holding eyelids open or until irritation subsides. If irritation persist, get medical attention. |

## SECTION 9 - PREPARATION INFORMATION

|   |                                 |  |
|---|---------------------------------|--|
| <b>Prepared by:</b><br>General Paint Technical Dept | <b>Phone:</b><br>(604) 253-3131 | <b>Preparation Date:</b><br>Apr 16, 2012 |
|---|---------------------------------|--|