

MATERIAL SAFETY DATA SHEET

Prelude Primer

SECTION I - IDENTIFICATION

Company Name: Danville Materials
Address: 3420 Fostoria Way A-200
San Ramon, CA. 94583
Phone: (925) 973-0710
Fax: (925) 973-0764
Prepared: March 19, 2004

SECTION II - INGREDIENTS OF MIXTURES

Hazardous Components

| Item (CAS# or UM#) | OSHA PEL | ACGIH TLV | % |
|------------------------------|----------|-----------|-------|
| Ethyl Alcohol CAS #: 64-17-5 | 1000ppm | 1000ppm | 15-25 |

Ethanol UN#: 1170

Other Components

| | | | |
|---------------------------|-----|-----|-------|
| Alkyl Methacrylate Resins | N/A | N/A | 35-45 |
|---------------------------|-----|-----|-------|

SECTION III - PHYSICAL DATA

Vapor Pressure mm HG: ND
Solubility in H₂O: Miscible (for uncured material)
Appearance and Odor: Pale yellow liquid with fruity odor
Specific Gravity (H₂O=1): 1.00

SECTION IV - FIRE AND EXPLOSION

Flash Point: 64 deg. F (18 degrees C) - for ethanol
Extinguishing Media: Carbon Dioxide, foam, dry chemical
Special Fire-Fighting Procedures: None
Flammable Limits: N/D
Unusual Fire and Explosion Hazards: None

SECTION V - REACTIVITY DATA

Stability: Unstable () Stable (X)
Conditions to Avoid: Heat, sparks, open flames
Incompatibility: Strong oxidizing agents
Hazardous Decomposition Products: Carbon Monoxide
Hazardous Polymerization: May occur () Will not occur (X)
None

SECTION VI - HEALTH HAZARDS

OSHA Permissible Exposure Limits: None
Other Exposure Limit Used: None
ACGIH Threshold Exposure Limit: None
Chronic, Other: None
Acute Overexposure: Irritation to eyes and skin may occur with uncured resins. May cause skin sensitivity in select individuals
Medical Conditions Generally Aggravated by Exposure: None known
Hygienic Practices: None
Primary Routes(s) of Exposure: Eyes, Skin, Inhalation, or Ingestion

SECTION VII - EMERGENCY AND FIRST AID PROCEDURES

Signs of Exposure: Severe skin or eye irritation, redness or burning sensation
Skin: Wash off affected area with soap and water. Flush for 15 minutes
Ingestion or Inhalation: Seek immediate medical advice, carry container with label
Eyes: Rinse immediately with plenty of water and seek medical advice

SECTION VIII - SAFE HANDLING & USE PRECAUTIONS

Spill Management: Use absorbent to collect the material, wash contaminated surfaces with soap and water.
Waste Disposal Methods: This material contains hazardous constituents. Dispose of safely in accordance with local, state, and federal regulations. Avoid temperatures in excess of 40 deg. C.

SECTION IX - PROTECTION INFORMATION/CONTROL MEASURES

Respiratory: None
Eye Protection: Safety goggles
Gloves: Surgical rubber/PVC gloves
Other Clothing & Equipment: Face Mask
Ventilation: None required, local exhaust recommended

SECTION X - TRANSPORTATION INFORMATION

Regulated: DOT, IATA, IMO
Proper Shipping Name: Ethanol Solution
Hazard Class: 3 (serious hazard)
Identification Number: UN 1170
Packing Group: II
Label: Flammable liquid
Note See 49CFR 173.4

Prelude Adhesive

SECTION I - IDENTIFICATION

Company Name: Danville Materials
3420 Fostoria Way A-200
San Ramon, CA. 94583
Phone: (925) 973-0710
Fax: (925) 973-0764
Prepared: August 12, 2003

SECTION II - INGREDIENTS OF MIXTURES

Hazardous Components

| Item (CAS# or UM#) | OSHA PEL | ACGIH TLV | % |
|------------------------------|----------|-----------|-------|
| Ethyl Alcohol CAS #: 64-17-5 | 1000ppm | 1000ppm | 25-30 |

Ethanol UN#: 1170

Other Components

| | | | |
|----------------------------------|-----|-----|-------|
| Alkyl Methacrylate Resins | N/A | N/A | 50-60 |
| Barium Aluminoborosilicate Glass | N/A | N/A | 10-15 |
| Fumed Silica (Silicon Dioxide) | N/A | N/A | 5-10 |
| Sodium Hexafluorosilicate | N/A | N/A | 0.5-1 |

SECTION III - PHYSICAL DATA

Vapor Pressure mm HG: ND
Evaporation Rate (Ether=1): ND
Solubility in H₂O: Partial (for uncured material)
Appearance and Odor: Pale yellow liquid with fruity odor
Specific Gravity (H₂O=1): 1.2

SECTION IV - FIRE AND EXPLOSION

Flash Point: 64 deg. F (18 degrees C) - for ethanol
Extinguishing Media: Carbon Dioxide, foam, dry chemical
Special Fire-Fighting Procedures: None
Flammable Limits: N/D
Unusual Fire and Explosion Hazards: None

SECTION V - REACTIVITY DATA

Stability: Unstable () Stable (X)
Conditions to Avoid: Heat, sparks, open flames
Incompatibility: Strong oxidizing agents
Hazardous Decomposition Products: Carbon Monoxide
Hazardous Polymerization: May occur () Will not occur (X) None

SECTION VI - HEALTH HAZARDS

OSHA Permissible Exposure Limits: None
 Other Exposure Limit Used: None
 ACGIH Threshold Exposure Limit: None
 Chronic, Other: None
 Acute Overexposure: Irritation to eyes and skin may occur with uncured resins. May cause skin sensitivity in select individuals
 Medical Conditions Generally Aggravated by Exposure: None known
 Hygienic Practices: None
 Primary Routs(s) of Exposure: Eyes, Skin, Inhalation, or Ingestion

SECTION VII - EMERGENCY AND FIRST AID PROCEDURES

Signs of Exposure: Severe skin or eye irritation, redness or burning sensation
 Skin: Wash off affected area with soap and water. Flush for 15 minutes
 Ingestion or Inhalation: Seek immediate medical advice, carry container with label
 Eyes: Rinse immediately with plenty of water and seek medical advice

SECTION VIII - SAFE HANDLING & USE PRECAUTIONS

Spill Management: Use absorbent to collect the material, wash contaminated surfaces with soap and water.
 Waste Disposal Methods: This material contains hazardous constituents. Dispose of safely in accordance with local, state, and federal regulations. Avoid temperatures in excess of 40 deg. C.

SECTION IX - PROTECTION INFORMATION/CONTROL MEASURES

Respiratory: None
 Eye Protection: Safety goggles
 Gloves: Surgical rubber/PVC gloves
 Other Clothing & Equipment: Face Mask
 Ventilation: None required, local exhaust recommended

SECTION X - TRANSPORTATION INFORMATION

Regulated: DOT, IATA, IMO
 Proper Shipping Name: Ethanol Solution
 Hazard Class: 3 (serious hazard)
 Identification Number: UN 1170
 Packing Group; II
 Label: Flammable liquid
 Note See 49CFR 173.4

Prelude Dual/Self-Cure Link**SECTION I - IDENTIFICATION**

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 San Ramon, CA. 94583
 Phone: (925) 973-0710
 Fax: (925) 973-0764
 Prepared: March 19, 2004

SECTION II - INGREDIENTS OF MIXTURES

Hazarous Components

| Item (CAS# or UM#) | OSHA PEL | ACGIH TLV | % |
|------------------------------|----------|-----------|-------|
| Ethyl Alcohol CAS #: 64-17-5 | 1000ppm | 1000ppm | 90-98 |
| Ethanol UN#: 1170 | | | |
| <u>Other Components</u> | | | |
| Alkyl Methacrylate Resins | N/A | N/A | |
| 2-8 | | | |

SECTION III - PHYSICAL DATA

Vapor Pressure: 44.6 mm HG @68 degrees F
 Evaporation Rate (Ether=1): N/D
 Solubility in H₂O: Complete
 Appearance and Odor: Colorless liquid with alcoholic odor.
 Specific Gravity (H₂O=1): 0.80

SECTION IV - FIRE AND EXPLOSION

Flash Point: 56 deg. F ASTM D-56 (Tag Closed Cup)
 Extinguishing Media: Carbon Dioxide, foam, dry chemical, or water
 Special Fire-Fighting Procedures: None
 Flammable Limits in air, % by volume: LOWER: 3.3 UPPER: 19
 Unusual Fire and Explosion Hazards: None

SECTION V - REACTIVITY DATA

Stability: Unstable () Stable (X)
 Conditions to Avoid: Heat, sparks, open flames
 Incompatibility: Strong oxidizing agents
 Hazardous Decomposition Products: Carbon Monoxide
 Hazardous Polymerization: May occur () Will not occur (X)
 None

SECTION VI - HEALTH HAZARDS

Primary Routs(s) of Exposure: Eyes, Skin, Inhalation, or Ingestion
 Inhalation: Exposure above limits may cause headache, drowsiness and lassitude, loss of appetite, and inability to concentrate.

OSHA Permissible Exposure Limits: 1000 ppm
 ACGIH Threshold Exposure Limit: 1000 ppm
 Ingestion (not an expected route of exposure): Can cause depression of central nervous system, nausea, vomiting, and diarrhea.
 Acute Overexposure: Irritation to eyes and skin may occur. May cause skin sensitivity in select individuals.

SECTION VII - EMERGENCY AND FIRST AID PROCEDURES

Signs of Exposure: Severe skin or eye irritation, redness or burning sensation
 Skin: Wash off affected area with soap and water. Flush for 15 minutes
 Ingestion or Inhalation: Seek immediate medical advice, carry container with label
 Eyes: Rinse immediately with plenty of water and seek medical advice

SECTION VIII - SAFE HANDLING & USE PRECAUTIONS

Spill Management: Use absorbent to collect the material, wash contaminated surfaces with soap and water.
 Waste Disposal Methods: This material contains hazardous constituents. Dispose of safely in accordance with local, state, and federal regulations. Avoid temperatures in excess of 40 deg. C.

SECTION IX - PROTECTION INFORMATION/CONTROL MEASURES

Respiratory: None
 Eye Protection: Safety goggles meeting ANS Std. Z87.1
 Gloves: Surgical rubber/PVC gloves
 Other Clothing & Equipment: None
 Ventilation: None required, local exhaust recommended

SECTION X - TRANSPORTATION INFORMATION

Regulated: DOT, IATA, IMO
 Proper Shipping Name: Ethanol Solution
 Hazard Class: 3 (flammable liquid)
 Identification Number: UN 1170
 Packing Group; II
 Emergency Response Guide No. 127
 Label: Flammable liquid
 Note See 49CFR 173.4