



CPFilms Inc.
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February 27, 2004

Dear Customer:

Enclosed is our Material Safety Data Sheet (MSDS) for LLumar® Paint Protection Film Products. We have included additional information on the safe handling and disposal of our products.

Although LLumar® Paint Protection Film Products are considered to be articles under the OSHA 1910.1200 standard, CPFilms offers the MSDS information indicating our commitment to the safety and protection of our employees and the environment. We are also committed to helping our customers maintain similar standards for protecting their employees and the environment.

Please let us know if we can be of further assistance.

Sincerely,

James S. Ketterer
ESH Manager

Enclosure

Material Safety Data Sheet



Material Identification: LLumar Paint Protection Film

Date Issued: February 19, 2004

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME/NUMBER.....LLumar Paint Protection Film
CHEMICAL FAMILY.....
6 mil Polyurethane Film with an Acrylic Pressure Sensitive Adhesive Film
on Silicone Release Coated Films
CAS NUMBER OF PRODUCT..... Unassigned/Trade Secret
SYNONYM NAME(S)..... None
COMPANY NAME & ADDRESS..... CPFilms Inc
4210 The Great Road
Fieldale, Va 24089

2. COMPOSITION/INFORMATION ON INGREDIENTS

CONSTRUCTION OF MATERIAL:

<u>INGREDIENTS</u>	<u>CAS NUMBER</u>	<u>THICKNESS-Mils (Microns)</u>
Polyurethane Film	Trade Secret	6.0 Mils (150 Microns)
Acrylic Pressure Sensitive Adhesive	Trade Secret	70 gsm (2.9 Mils)
Silicone Release Coating	Trade Secret	500-1600 Angstroms
Silicone Release Film	Trade Secret	120 gsm

CHEMICAL FAMILY:

6 mil Polyurethane Film with an Acrylic Pressure Sensitive Adhesive Film on Silicone Release Coated Films

INGREDIENT INFORMATION:

<u>INGREDIENTS</u>	<u>CAS NUMBER</u>	<u>CONCENTRATION RANGES (%. by wt)</u>
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HAZARDOUS INGREDIENTS

This product contains no hazardous ingredients as defined under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

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3. HAZARDS IDENTIFICATION

HAZARDS OVERVIEW

CAUTION! Color: Clear each side; Form: Polyurethane film on silicone release carrier. May be very sticky! Odor: Slight; May cause a slipping hazard if unwound/opened. Contact with hot material will cause thermal burns; Toxic gases/fumes are given off during burning or thermal decomposition; Melted product is flammable and produces intense heat and dense smoke while burning.

Potential Hazards & Health Effects

Routes of Entry:

Inhalation of vapors; skin or eye contact and ingestion are not known to be routes of exposure.

Human Effects and Symptoms of Overexposure:

Acute Effects of Exposure: Material is a Non-Reactive Solid Film. Heat processing at or above the decomposition temperature may release the products discussed in Section 5 and 10.

Mechanical irritation (i.e. abrasion) to the eyes may occur due to exposure to fines produced from cutting, sawing, grinding, etc. Eyes may become red and scratchy and may tear. NOTE: Gases and fumes evolved during the thermal processing or decomposition of this material may irritate the eyes, skin or respiratory tract.

Chronic Effects of Exposure: None known.

Carcinogenicity: The components of this product are not listed by NTP, IARC or regulated as a carcinogen by OSHA.

Medical Conditions

Aggravated by Exposure: None known.

Exposure Limits: For dusts formed by grinding, sawing, cutting, etc. the OSHA-PEL for nuisance dust of 15 mg/m³-total dust, 5 mg/m³ - respirable dusts is recommended. In addition, the ACGIH-TLV for nuisance dust of 10 mg/ m³ is recommended.

4. FIRST AID MEASURES

FIRST AID FOR EYES: Remove to fresh air, away from the exposure area. Immediately flush eyes with large amounts of water for at least 15 minutes, lifting upper and lower lids. Get prompt medical attention, if irritation persists.

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4. FIRST AID MEASURES (Continued)

FIRST AID FOR SKIN CONTACT:	If overexposure to processing fumes occurs, remove contaminated clothing and shoes. Flush and wash with large amounts of soap & warm water. Professionally launder, especially shoes, before re-use. If irritation persists, get medical attention. Look for thermal burns.
FIRST AID FOR INHALATION:	If overexposure to processing fumes occurs, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Get medical attention if problem persists.
FIRST AID FOR INGESTION:	This is not a likely route of overexposure. However, if material is ingested get prompt medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Keep warm and quiet. Contact physician, poison control center or medical facility for advice about whether to induce vomiting. Do not leave unattended, if possible.

5. FIREFIGHTING MEASURES

FLASH POINT.....	Above 740° F (390°C) ASTM D-1929-CC
UPPER EXPLOSION LIMIT (%).....	Not Established
LOWER EXPLOSION LIMIT (%).....	Not Established
AUTOIGNITON.....	Above 740° F (390°C) ASTM D-1929-CC
FIRE & EXPLOSION HAZARDS.....	Vapors, on burning or thermal decomposition, are heavier than air and may travel a considerable distance to a source of ignition and flash back. Combustion may release noxious or toxic vapors. See Reactivity.
EXTINGUISHING MEDIA.....	Dry Chemical; CO ₂ ; Water fog; Foam
SPECIAL FIREFIGHTING PROCEDURES.....	Fire fighters should utilize self-contained breathing apparatus (SCBA) and full protective clothing to protect against potentially toxic and irritating fumes. Keep exposed equipment cool with water spray.
HAZARDOUS COMBUSTION PRODUCTS...	Smoke, Soot and toxic/irritating fumes. Thermal decomposition or incomplete combustion may produce carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, aliphatic and aromatic hydrocarbons including MDI (methylene bisphenyl isocyanate) and unidentified organic compounds.

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6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK PROCEDURES..... If molten material is spilled, allow it to solidify. For solidified material remove mechanically by a method which minimizes the generation of airborne dust and place in appropriate containers as outlined by local disposal authorities. Avoid Vapors! Keep unnecessary people away.

For safety and environmental precautions, please review entire Material Safety Data Sheet for necessary information.

7. HANDLING AND STORAGE

STORAGE TEMPERATURE..... Preferred is Room Temperature; Max. 110°F
HANDLING/STORAGE..... Store in a cool, dry area away from heat, sparks, or fire.
VENTILATION REQUIREMENTS..... Local; Explosion-proof exhaust ventilation. Must be adequate to keep exposure levels below TLV's or Airborne Dust Limits for particulates.
SENSITIVITY TO STATIC ELECTRICITY..... No
SENSITIVITY TO MECHANICAL IMPACT... No

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION REQUIREMENTS..... Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure levels below airborne exposure limits. (See Section 3)
EYE PROTECTION REQUIREMENTS..... Safety Glasses are recommended as a good safety and industrial hygiene practice.
GLOVE REQUIREMENTS..... Fabric PVC gloves are recommended when handling material which will be cut or thermally processed, to help avoid the possibility of cuts or lacerations from sharp edges or thermal burns.
CLOTHING REQUIREMENTS..... Standard industrial hygiene procedures should be practiced.
RESPIRATOR REQUIREMENTS..... A NIOSH/MSHA-approved dust respirator is recommended if the airborne dust concentration is near or exceeds the nuisance dust exposure limits.

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9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE/Form:	Polyurethane Film with Release Coated PSA Film
Appearance/Odor:	Solid; No Odor.
Odor Threshold:	No Data
Specific Gravity (Water = 1):	Approximately 1.2
Liquid Density:	Not Applicable
Autoignition:	Above 740° F (390°C) ASTM D-1929-CC
Flash Point:	Above 740° F (390°C) ASTM D-1929-CC
Oxidizing Properties:	Not Applicable
Volatile Organic Compounds:	Not Applicable
Molecular Weight:	Not Applicable
pH (AS IS) & (In 1%) Solution:	N/A
Boiling Point:	N/A
Melting/Freezing Point:	N/A
Solubility in Water:	N/A
Evaporation Rate:	N/A
Vapor Pressure (mmHg):	N/A

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION:	Product will not undergo hazardous polymerization.
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition or incomplete combustion may produce carbon monoxide, carbon dioxide, and oxides of nitrogen, hydrogen cyanide, aliphatic and aromatic hydrocarbons including MDI (methylene biphenyl isocyanate) and unidentified organic compounds.
CHEMICAL STABILITY:	Stable
INCOMPATIBILITY/MATERIALS TO AVOID:	Strong oxidizers, strong mineral acids and alkalies.
DECOMPOSITION TEMPERATURE:	Begins at 716° F (380°C)

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Other Acute Effects:

Gases and fumes evolved during thermal decomposition may release products discussed in Sections 5 & 10. These may result in irritation of the respiratory tract and eyes, chest tightness and headaches.

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12. ECOLOGICAL INFORMATION

No Data

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS..... Waste disposal should be in accordance with existing Federal, State and Local Environmental regulations.

14. TRANSPORTATION INFORMATION

TECHNICAL SHIPPING CLASS: Polyacrylic Film
FREIGHT CLASS PACKAGE: Plastic Articles, O/T Expanded, Density 2-4 pcf.

DOT (Domestic Surface)
HAZARD CLASS or DIVISION: Non-Regulated

IMO/IMDG Code (Ocean)
HAZARD CLASS DIVISION NUMBER: Non-Regulated

ICAO/IATA (Air)
HAZARD CLASS DIVISION NUMBER: Non-Regulated

15. REGULATORY INFORMATION

OSHA STATUS: This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

US FEDERAL REGULATIONS:
TSCA (Toxic Substances Control Act) Status:
TSCA (United States): This product is registered as an article, therefore exempt from TSCA Regulation.

CERCLA REPORTABLE QUANTITY (RQ): None

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15. REGULATORY INFORMATION (Continued)

SARA/TITLE III:

Section 302

Extremely Hazardous Substances: None

**Section 311/312 Hazard Categories: Non-Hazardous under Section
311/312**

Section 313 Toxic Chemicals: None

RCRA STATUS:

If discarded in it's purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product, or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

16. OTHER INFORMATION

MSDS DATE.....	Date Issued: February 19, 2004
MSDS ORIGINAL ISSUE DATE.....	February 19, 2004
CHANGES SINCE PREVIOUS ISSUE.....	None

The information and the recommendations made herein apply to our products only, and are not to be combined with other product(s). This is based on our research and on data from other reliable sources and is believed to be accurate. No guaranty of accuracy is made. It is the purchaser's responsibility before using any product to verify this data under their own conditions and to see the product is suitable for their purposes.

Company Address:

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