

# PRODUCT CHARACTERISTIC SHEET and COC

## **PLEASE READ BEFORE USING!**

**Material: SPF UV 2 mil Clear Laminate**

**Part Nos: SPF721350C, SPF721310C**

**General Description:** Optically clear 7 year UV resistant protective over laminate with a clear permanent acrylic adhesive. This laminate is a high-gloss, clear cast film. It provides protection for digital prints against UV damage, scratches and abrasion.

**Durability:** Long-term outdoor durability up to 7 years when properly applied.

**Thickness:** 2 mil. film with 1 mil. of adhesive.

**Outdoor Life:** 7 years - vertical exposure.

**Shelf Life:** 1 year stored at 70° F & 50%RH

**Service Temperature Range:** (-13° F to 179° F)

**Minimum Application Temp.:** 50° F (65° F to 77° F optimal, on clean surface)

### **Adhesive Properties:**

Clear acrylic pressure sensitive adhesive (Solvent-based)

### **Tests performed | results:**

Peel	Average lbs/in	Test Method
Peel adhesion (24hrs)	2.6	180 peeling PSTC-1
<b>Tensile Strength</b>	≥ 8 lbs/in	ASTM 882
<b>Elongation</b>	≥ 100%	ASTM 882

## **CERTIFICATE OF CONFORMANCE (COC)**

<b>Sold to:</b>		<b>Lot No.:</b>	
<b>Buyer:</b>		<b>PO#</b>	
<b>Supplier:</b>	Graphic Marking Systems	<b>Supplier's Authorized Rep.:</b>	
<b>MFR Part No:</b>	Top of the page	<b>Title:</b>	
<b>MFR Date:</b>		<b>Ship Date:</b>	
		<b>Date:</b>	

### **Recommended Application Techniques:**

Laminate with a cold pressure sensitive laminator, not by hand. When laminating, make sure there is little to no drag applied to the SPF. Once the liner is removed it is unsupported and will stretch if there is tension on it.

### **GSP Software Settings:**

Little additional cutting pressure needs to be applied, because the film is thin and easy to cut.

**USE A 45° blade or 60° BLADE on any combination of material 8 mil or thicker.**

#### **Disclaimer:**

All of the descriptive information listed above is our recommendation only. This information does not suggest or constitute a written or verbal warranty or guaranty of any kind by the manufacturer or distributor of this product. Although this material can be printed on with some solvent based printers, the surface characteristics of the material can change from roll to roll, and failure of optimal printing results are not a basis for returning the product. Purchasers of this product shall be responsible for independently determining the suitability of the material for the intended application. GMS0612 Graphic Marking Systems

# Material Safety Data Sheet (MSDS)

**Material Name: SPF UV 2 mil Clear Laminate**

**Part Nos: SPF721350C, SPF721310C**

**Date Prepared:** 9/28/2011

**General Description:** Optically clear 7 year UV resistant protective over laminate with a clear permanent acrylic adhesive. General Description: Optically clear 7 year UV resistant protective over laminate with a clear permanent acrylic adhesive.

**Company:**

Graphic Marking Systems

**Address:** 28457 N. Ballard Rd., Suite A1  
Lake Forest, IL 60045

**Phone:** 847-582-9276

**Fax:** 847-582-9282

## Composition and information on ingredients:

Individual components of this product do not contribute to any known hazards.

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200): NONE

**UL Recognized:** NO

**ROHS Compliant:** NO

**REACH Compliant:** NO

## Hazards Identification:

**POTENTIAL HEALTH EFFECTS:** None

**ACUTE:** No significant toxic hazard. When burned may produce toxic fumes.

**CHRONIC:** No significant toxic hazard.

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

## First Aid Measures:

Emergency and First Aid Procedures:

### ROUTES OF ENTRY:

Inhalation: N/A Skin: N/A

Eyes: N/A Ingestion: N/A

**Accidental Release Measures:** N/A

## Handling and Storage:

No special handling required other than storing away from excessive heat sources.

## Fire Fighting Measures:

Flash Point: N/A

Method Used: N/A

Auto-ignition Temperature: N/A

Flamable limits in Air % by Volume: LEL: N/A, UEL: N/A

Extinguishing Media: Multi-rated ABC extinguisher or water

Unusual Fire and Explosion Hazards: None

**Special Fire Fighting Procedures:** In case of fire, use self-contained breathing apparatus and full protective equipment - all fires liberate toxic gases.

## Exposure Controls and Personal Protection:

Respiratory Protection: None required

Skin Protection: No precautions required

Eye Protection: None required

Exposure Guidelines: None established

Engineering Controls: None required

## Physical and Chemical properties:

Vapor Pressure (mm Hg) N/A Boiling Point: N/A

Vapor Density (air = 1): N/A Melting Point: N/A

Appearance and odor: N/A Reactivity of water: N/A

Specific Gravity (H 0=1) N/A Solubility in water: N/A

## Stability and Reactivity:

Stability: N/A

Conditions to avoid: Fire or Excessive Heat

Incompatibility: None

Hazardous Decomposition Products: None

Hazardous Polymerization: Will not occur.

## Regulatory Information:

**OSHA STANDARD CFR 29, PART 1910.1200:** This product is considered to be an "article" under this standard.

**SARA 313 INFORMATION:** This product contains no substances at or above the reporting threshold subject to the reporting requirement of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 371, based on available data.

**CALIFORNIA PROPOSITION 65:** The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986. This product does not, to the best of our knowledge and belief contain any of the chemicals on the current list of chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## Toxicological Information:

Carcinogen Status: NTP: NONE IARC: NONE OSHA: NONE

**Ecological Information:** No Data Available

## Transport Information:

**TRANSPORTATION AND HAZARDOUS MATERIALS DESCRIPTION:**  
Not a hazardous material for DOT shipping.

**Disposal Considerations:** Waste Disposal:

Dispose of in accordance with Local, State and Federal regulations.

## Other Information:

The information contained herein is based on the data available to Graphic Marking Systems, and is believed to be correct. However, Graphic Marking Systems makes no warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use thereof. Graphic Marking Systems assumes no responsibility for injury from the use of the product described herein.