



High Quality Custom Displays



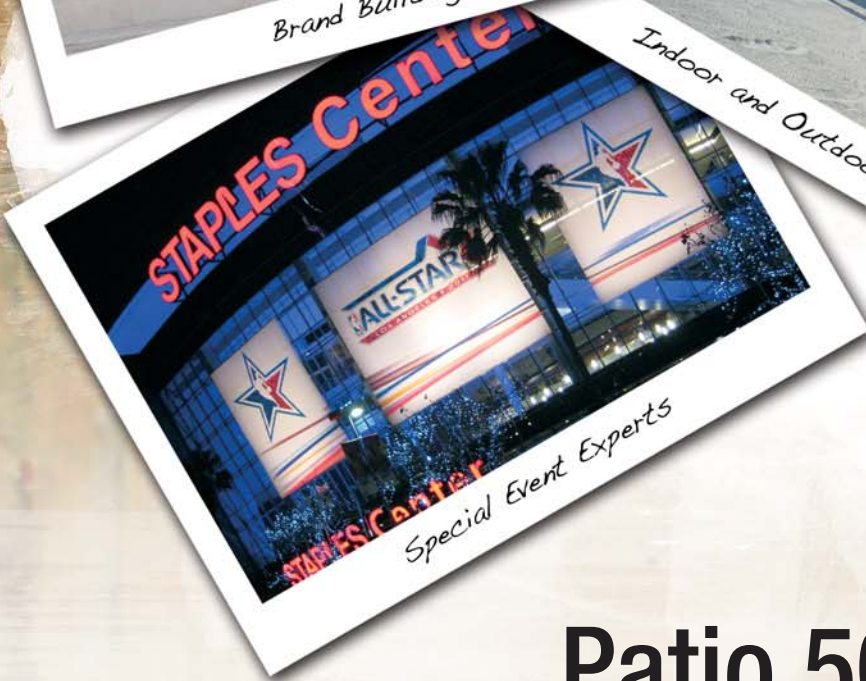
Say it Big!



Brand Building



Indoor and Outdoor Banners



Special Event Experts

Patio 500 Fire Certificate



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Material Safety Data Sheet

I. PRODUCT IDENTIFICATION

Trade Name: *Patio 500*[®]
Description: Laminated Vinyl – Synthetic Fabric
Manufacturer: **Herculite Products, Incorporated**

II. PHYSICAL DATA

Appearance: Laminated Vinyl – Synthetic Fabric
Boiling Pt: >500°F
Melting Pt: 370°F (approx)
Sp. Gravity: 2.19 – 2.34 (approx)
Odor: Light plastic to none
Volatiles (% by Volume): 25 (approx @ high temperature only)
Rate of Evaporation (Butyl Acetate = 1): 0 (approx @ ambient temperature only)

Vapor Pressure (@392°F): > 1.1 mmHg
Vapor Density (Air = 1): > 10
Solubility in H₂O (% by wt): < 0.005

III. INGREDIENTS

The precise composition of this product is *proprietary*. While several of its components in pure form could be considered hazardous, as a compound none are significantly hazardous (due to dilution, encapsulation, etc.). Under combustible conditions, toxic gases to include hydrogen chloride (HCl) and phthalic anhydride are generated; and nylon-containing styles generate small amounts of hydrogen cyanide (HCN). Various pigment colored systems may contain small levels of lead chromate yellow and molybdate orange.

Other:

Barium (Ba) <500 ppm Cadmium (Cd) <500 ppm Zinc (Zn) <500 ppm
*Antimony Oxides <5%

*Present as flame retardant
Contains biocides and UV absorber agents

IV. HEALTH HAZARD INFORMATION

The only significant hazards from this product arise under conditions of combustion or elevated temperatures (approx. 250°F and above) creating elevated gases and vapors to include hydrogen chloride, phthalic anhydride, oxides of carbon and minute amounts of vapor – phase heavy metals, to include cadmium, antimony, lead, chromium, molybdenum and barium (in combustion, nylon-containing styles evolve hydrogen cyanide). In case of exposure to combustion gases remove individual to fresh air, flush eyes and accessible mucous membranes with water. If individual experience difficulty breathing or burning sensation in chest, consult physician. Individual sensitivities and/or allergic nature and/or behaviors cannot be predicted.



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V. REACTIVITY DATA

Product is stable at normal use and temperature, but may liberate Hydrochloride gas (HCl) at temperatures 250 °F – 400 °F, depending on exposure time frame. Under pyrolysis conditions product may liberate HCl and HCN (HCN in nylon-containing styles only). Hazardous polymerization will not occur.

VI. SPILL or LEAK PROCEDURES

No spill or leak hazards. Place scrap in landfill – consult local and Federal regulatory.

VII. SPECIAL PROTECTION

Heat processing areas should be well ventilated with no other special protection required except under conditions of fire or elevated temperatures 250 °F. Under such conditions, eye, skin and respiratory personal protective equipment is advised.

VIII. TRANSPORTATION INFORMATION

National Motor Freight Classification (NMFC) 49210, Class 65, Flash Point 450 °F.

IX. STORAGE PRECAUTIONS

Store in atmosphere temperature range: - 40 °F – 150 °F.

X. DISCLAIMER

The information provided herein is true and accurate to the best of our knowledge. Although compiled by competent technical personnel, no guarantee or warranty is herein expressed or implied, as to the completeness or correctness thereof. Since the exact conditions of use of our products are beyond our control, any liability with regard to such use is hereby disclaimed. Nothing herein is to be taken as advising the infringement of any patent, or violation of any legal statute.

LYCarter, R&D Mgr

07/22/2010