

# WALLPAPER FOR WINDOWS!™

## Non-Ortho Phthalate Film

### MSDS Sheet

EtchArt, LLC

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## GENERAL DESCRIPTION

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A highly plasticized flexible PVC film laminated to a paperboard stock with UV inhibitors and inks. The PVC film clings to most clean, smooth non-porous surfaces without adhesives.

## PRODUCT DESCRIPTION

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The film thickness is 7.5 mils. Tolerances of +/- 10% on thickness.

Surface tension: 32-36 dynes/cm.

Dimensional stability: -1.5% (50 degrees C. x 10 minutes).

Recommended application temperature: 70° degrees F.

Storage conditions 50-80 degrees F., 50% R.H.

## UV PROTECTION

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Film prevents 95% UV-A and 99.9% UV-B ray transmission.

## APPLICATION

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Film is applied to smooth nonporous surface with water and liquid soap. Wet glass with soapy water, peel from backing paper, apply to glass, remove excess water and air bubbles.

## PHYSICAL CHARACTERISTICS

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Boiling Point:	N/A	Specific Gravity: (H2O=1)	1.15 – 1.6
Vapor Pressure:	N/A	Percent Volatile by Volume:	N/A
Vapor Density:	N/A	Evaporation Rate:	N/A
Water Solubility:	N/A	Appearance & Color:	Clear

## REACTIVITY

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Product is stable and hazardous polymerization will not occur.

## FIRE AND EXPLOSION DATA

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Melting Point: 300° F. (149° C)  
Flammable Limits: N/A  
Extinguishing Media: Water, Dry Chemical  
Special Firefighting Procedures: Wear positive pressure, self-contained breathing apparatus.  
Fire Hazard: Wallpaper For Windows 8 mil (.008" thick), clear vinyl film has been tested for flame spread per ASTM E84-95, "Surface Burning Characteristics of Building Materials," and meets the requirements of National Fire Protection Association Class A (1) (most fire-resistant class) as defined in NFPA 101, "Life Safety Code."  
Under intense fire conditions the film will decompose, giving off hydrogen chloride and dense smoke. Has a UL Fire Hazard rating of 20 flame spread and 50 smoke development and is self extinguishing once the source of ignition is removed. (Film basically melts when exposed to flame.)

## HEALTH HAZARD DATA

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### Hazardous Ingredients / Identity Information

*Hazardous Components (Specific Chemical Identity; Common Names)*

OSHA PEL	AGGIH TLV	Other Limited	%
N/A	N/A	N/A	N/A

### Toxicity:

Oral: N/A    Dermal: N/A    Eye: N/A    Inhale: N/A    Chronic: N/A

### Effects of Overexposure: None

The material poses no health hazards at ambient temperature when used as intended in product design. Material is not intended for use in burning applications.

*Wallpaper For Windows film is a mixture formula. All the components are encapsulated in the film.*

## SAFE HANDLING AND USE

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### Waste Disposal:

Landfill or other approved disposal method in accordance with any applicable regulations under Resource Conservation Recovery Act.

### Handling and Storage:

Sprinkled warehouses are recommended. Although most vinyl sheeting will not support combustion, materials such as cardboard boxes, wooded pallets, and other combustibles can provide sufficient fuel to cause vinyl to smolder. The product has indefinite shelf life under ambient handling and storage conditions. Storage temperatures from 50° F to 80° F are recommended.

### Transportation:

D.O.T.: Not regulated.

# SPECIAL PROTECTION INFORMATION

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## **Ventilation Type Required:**

General ventilation should be sufficient to control airborne levels. Need good mechanical ventilation when heat is introduced in processing.

## **\*Respiratory Protection:**

Positive pressure SCBA for firefighting.

## **\*Protective Gloves:**

When material is heated.

## **\*Eye Protection:**

Recommended for all industrial workplaces.

## **Other Protection:**

\*See notes below

## SUMMARY

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Static Cling Vinyl thickness	.075 +/- 10%
White Polykote liner thickness	.0095 +/- 5%
Surface tension	32 –36 Dynes/cm
Recommended application temperature	70° F
Recommended storage conditions	50° –80° F 50% RH
UV Protection	95% UV-A, 99.9% UV-B

## **Heavy Metals Analysis**

<b>ELEMENT</b>	<b>CONCENTRATION (PPM)</b>
Cadmium – Cd	9.8
Chromium – Cr	3.4
Lead – PB	2.9
Mercury – Hg	0.1
Total Heavy Metal	16.2 (0.0016%)

*This film tested is in compliance with the strictest regulations for total heavy metals as put forth by the Coalition of Northeastern Governors (CONEG) and European Community standards.*