

# MATERIAL SAFETY DATA SHEET



## PVA Film

### 1. PRODUCT AND COMPANY NAME

**PRODUCT NAME:** PVA Film  
**DESCRIPTION:** Polyvinyl Alcohol Film  
**MANUFACTURER:** Richmond Aircraft Products  
13503 Pumice Street  
Norwalk, CA 90650

**FOR MORE INFORMATION CALL:** 562-404-2440  
**IN CASE OF EMERGENCY CALL:** 562-404-2440

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient Name</u>	<u>CAS #</u>	<u>% of Ingredient</u>
Polyvinyl Alcohol Resin	9002-89-5	

### 3. HAZARD IDENTIFICATION

#### POTENTIAL HEALTH HAZARDS

**Route of Entry:** Eye Contact, Inhalation  
**Target Organs:** N/A  
**Inhalation:** If film is processed into a dust, treat dust as a nuisance dust. Treat symptomatically.  
**Skin Contact:** No dermatitis hazard is expected from routine handling. Contact with dust may cause skin irritation.  
**Eye Contact:** Dust from film may be mildly irritating to the eyes. This is a mechanical irritation only.  
**Ingestion:** Not a probable route of entry. No chronic effects are anticipated.  
**Carcinogenicity:** Not listed by NTP, IARC, or OSHA

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## 4. FIRST AID MEASURES

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<b>Inhalation:</b>	If film is processed into dust, treat this dust as a nuisance dust. Treat symptomatically.
<b>Skin Contact:</b>	Remove from skin with soap and water.
<b>Eye Contact:</b>	Immediately flush eyes with plenty of water for two to three minutes. Remove any contact lenses and continue flushing for 15 minutes. Seek medical attention.
<b>Ingestion:</b>	If large quantities of this material are swallowed, call a physician immediately. Do NOT induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. Get medical attention.

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## 5. FIRE FIGHTING MEASURES

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### FLAMMABLE PROPERTIES

<b>Flash Point (Method Used):</b>	None
<b>LEL:</b>	N/A
<b>UEL:</b>	N/A
<b>Extinguishing Method:</b>	Water spray, carbon dioxide, dry chemical
<b>Special Fire Fighting Procedures:</b>	Respiratory and eye protection are required for fire fighting personnel. Full protective equipment (Bunker Gear) and self contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires. For small outdoor fires, which may easily be extinguished with a portable fire extinguisher, use of a SCBA may not be required.
<b>Unusual Fire and Explosion Hazards:</b>	Above 200C the following are evolved; crotonaldehyde, acetone, and other unknowns. Complete combustion gives carbon dioxide and water. Incomplete combustion gives in addition carbon monoxide and hydrocarbon oxidation products, including organic acids, aldehydes and alcohols.

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## 6. ACCIDENTAL RELEASE MEASURES

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Always wear recommended personal protective equipment. Pick up film. If roll has been damaged, dispose of it at an appropriate waste disposal facility according to current applicable laws and regulations, taking into account the characteristics at the time of disposal. Normally, your waste hauler will allow it to be put in your regular waste dumpster once they have reviewed this MSDS.

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## 7. HANDLING AND STORAGE

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**Handling Precautions:** Use normal personal hygiene and good house keeping

**Storage Requirements:** Store in unopened containers under cool and dry conditions

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## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

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**Engineering Controls:** If dust is generated, provide local exhaust ventilation to control airborne levels below the ACGIH TLV-TWA exposure limit for Particulates Not Otherwise Classified of 10 mg/m for inhalable particles and 3 mg/m<sup>3</sup> for respirable.

**Protective Equipment:** Where safety glasses with side shields or goggles when handling this material. If airborne dust is present, use a NIOSH approved particulate respirator. No skin protection is required under normal conditions.

**Exposure Guideline/Other:** None

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance:</b>	Slightly yellow translucent film
<b>Physical Status:</b>	Solid
<b>Odor:</b>	May have slight acidic odor
<b>pH:</b>	N/A
<b>Vapor Pressure:</b>	N/A
<b>Vapor Density:</b>	N/A
<b>Boiling Point:</b>	N/A
<b>Freezing/Melting Point:</b>	200C (392F)
<b>Solubility:</b>	Fully miscible
<b>Spec. Grav./Density:</b>	N/A

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## 10. STABILITY AND REACTIVITY

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<b>Stability:</b>	Stable
<b>Conditions to avoid:</b>	Temperatures above 200C (392F)
<b>Materials to avoid (Incompatibility):</b>	Oxidizing agents (i.e. perchlorates, nitrates etc.)
<b>Hazardous Decomposition Products:</b>	Irritating toxic fumes at elevated temperatures from burning, heating or reaction with other materials.
<b>Hazardous Polymerization:</b>	Will not occur

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## 11. TOXICOLOGICAL INFORMATION

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**Immediate (Acute) Effects:**

The acute exposure information on the major component, polyvinyl alcohol, is as follows: Oral LD50:>5000mg/kg (rats); Inhalation LC50: 20.0 mg/l (rats; dust with 3-5 micron particle size; 1 hr. exposure). : Information representative of the major component indicates that the powder and aqueous solutions are slightly irritating to rabbit eyes, irritation subsided by 4R hours after exposure. In powder form the major component, polyvinyl alcohol, was nonirritating to rabbit skin. In aqueous solution, slight irritation to rabbit skin was noted. Not a skin sensitizer in guinea pigs when dosed as a 10% aqueous solution.

**Delayed (Sub-chronic and chronic) Effects:**

None known

**Other Data:**

None

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## 12. ECOLOGICAL INFORMATION

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Material is considered inert and not expected to be biodegradable or toxic.

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## 13. DISPOSAL CONSIDERATIONS

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Dispose of in compliance with Federal, state and local government regulations. Usually is considered an inert packaging material that can be recycled or landfilled.

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## 14. TRANSPORT INFORMATION

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**US DOT Hazard Class:** Not regulated  
**US DOT ID Number:** Not applicable

For additional information on shipping regulations affecting this material, contact the information number found in Section 1.

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## 15. REGULATORY INFORMATION

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### United States

#### SARA TITLE III (Superfund Amendments and Reauthorization Act)

##### 311/312 Hazard Categories:

<b>Fire:</b>	No
<b>Pressure Generation:</b>	No
<b>Reactivity:</b>	No
<b>Acute:</b>	No
<b>Chronic:</b>	No

#### TSCA (Toxic Substances Control Act)

**TSCA Regulatory:** All intentional ingredients are listed on the TSCA Inventory

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## 16. OTHER INFORMATION

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### HMIS Rating

Health:	1
Flammability:	1
Physical Hazard:	0
Personal Protection:	A

**Current Issue Date:** 04/30/2008

**Previous Issue Date:** 03/25/2008