

MATERIAL SAFETY DATA SHEET



STRETCH-VAC 3000

1. PRODUCT AND COMPANY NAME

PRODUCT NAME: STRETCH-VAC 3000

DESCRIPTION: Polyamide Multilayer Film

MANUFACTURER: Richmond Aircraft Products
12801 Ann Street
Santa Fe Springs, CA 90670

FOR MORE INFORMATION CALL: 562-906-3300
IN CASE OF EMERGENCY CALL: 562-906-3300

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient Name</u>	<u>CAS #</u>	<u>% of Ingredient</u>
Polyamide (PA 6)	25038-54-4	Proprietary
Polyamide (PA 6/66)	24993-04-2	Proprietary
Additives (Thermoplastic Polyester Elastomer)		Proprietary

3. HAZARD IDENTIFICATION

POTENTIAL HEALTH HAZARDS

Route of Entry: N/A

Target Organs: N/A

Inhalation: Not a route of exposure under normal usage. Elevated processing temperatures may release irritating vapors.

Skin Contact: Not considered hazardous.

Eye Contact: Not considered hazardous. It may cause mechanical irritation if film comes into contact with the eye.

Ingestion: Not a route of exposure. Not considered hazardous.

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4. FIRST AID MEASURES

Inhalation: This material is not likely to be hazardous by inhalation.
Skin Contact: This material is not likely to be hazardous by skin contact.
Eye Contact: Not likely to be an eye hazard in present form.
Ingestion: Not likely to be ingested in present form.

Further information:

At room temperature the product is neither an irritant nor gives off hazardous vapours. The measures listed below apply to critical situations (Fire, incorrect process conditions).

- **After inhalation**

In case of excessive inhalation of fumes move the person to fresh air. Call for medical help.

- **After skin contact**

After contact with the molten product, cool rapidly with cold water. Do not pull solidified product away from the skin. Seek immediate medical advice.

- **After eye contact**

Rinse opened eye for several minutes under running water. Then consult doctor.

- **After swallowing**

No specific measures have to be taken if the product is swallowed.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flash Point (Method Used): N/A

LEL: N/A

UEL: N/A

Extinguishing Method: Extinguishing dry, Water spray, Foam. Do not use water with full jet.

Special Fire Fighting Procedures: Wear fully protective suit. Wear self-contained respiratory protective device.

Unusual Fire and Explosion Hazards: In case of fire it can release : hydrogen cyanide and when lacking oxygen (O₂), carbon monoxide (CO). The products of the burning are dangerous.

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6. ACCIDENTAL RELEASE MEASURES

- Person-related safety precautions: Particular danger of slipping on spilled product.
- Measures for environmental protection: No special measures required. Contact authorities in case of water contamination.
- Measures for cleaning/collecting: Small spills: Put into a labelled container and provide safe disposal. Large spills: Act as during a limited release. Recycle product or dispose properly.
- Additional information: Collect spilled material: It could cause falls (Danger of slipping).

7. HANDLING AND STORAGE

Handling Precautions: No special requirements necessary, if handled at room temperature. Don't smoke, eat or drink at the workplace. When bringing the material to processing temperatures gases might develop, forming: carbon monoxide, hydrogen, or cyanide. Ensure good ventilation/exhaustion at the workplace. For all kinds of polymers, if dust is created during transport or handling, safety measures against danger of explosion have to be taken.

Storage Requirements: Protect from heat and direct sunlight. Store container in a well ventilated position. Link to ground machineries. Take precautionary measures against static electricity. Store under dry conditions. Avoid inhaling of heat sealing vapors. Fumes generated by thermal decomposition may be hazardous.

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8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls: NA
Protective Equipment: Breathing equipment: If appropriate ventilation is not available use face mask when handling the molten product.
Protection of hands: Wear suitable gloves to protect against prolonged contact. Heat resistant gloves when handling the molten product.
Material of gloves - chemical resistant EN374
Eye protection: Not required in standard use.
Body protection: Normal overalls.

Exposure Guideline/Other:

Not likely to be hazardous for the environment in recommended use. Correct disposal (see point 6).

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colored plastic film
Physical Status: Solid
Odor: No odor
pH: N/A
Vapor Pressure: N/A
Vapor Density: N/A
Boiling Point: N/A
Freezing/Melting Point: 200C
Solubility: Insoluble
Spec. Grav./Density: 1.12-1.14 g/cm³

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10. STABILITY AND REACTIVITY

Stability:	Normally Stable
Conditions to avoid:	NA
Materials to avoid (Incompatibility):	NA
Hazardous Decomposition Products:	Flammable gases and vapours, carbon monoxide, hydrogen cyanide.
Hazardous Polymerization:	Will not occur

11. TOXICOLOGICAL INFORMATION

Immediate (Acute) Effects:	Not determined
Delayed (Sub-chronic and chronic) Effects:	None known
Other Data:	None

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

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

Designation according to EC guidelines: The material is not subject to classification according to EC lists and other sources of literature known to us. Observe the normal safety regulations when handling chemicals.

State Right-To-Know

In addition to the ingredients found in Section 2, the following are listed for state right-to-know purposes.

<u>Ingredient Name</u>	<u>Weight %</u>	<u>Comment</u>
No ingredients listed in this section.		

16. OTHER INFORMATION

Current Issue Date: 3/16/2011
Previous Issue Date: NA