

MATERIAL SAFETY DATA SHEET



VAC-PAK[®] HS 8171-6/66

1. PRODUCT AND COMPANY NAME

PRODUCT NAME: VAC-PAK[®] Heat Stabilized Nylon 66 Films
DESCRIPTION: Co-Extruded High Temperature Nylon 6/66 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>
Poly[imino(1-oxo-1,6-hexanediyl)]	(CAS 25038-54-4)	48-50%
NYLON 6/66	(CAS 24993-04-2)	48-50%
Colorants	(CAS Not Available)	0-1%
Caprolactam	(CAS 105-60-2)	0-1%

Trace impurities and additional material names not listed above may also appear in Section 15 towards the end of the MSDS. These materials may be listed for local "Right-To-Know" compliance and for other reasons.

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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.

4. FIRST AID MEASURES

Inhalation:	None needed under normal usage. If exposed to vapors at elevated processing temperatures, remove to fresh air.
Skin Contact:	No hazards which require special first aid measures. Consult physician if necessary.
Eye Contact:	None needed under normal usage. If material comes into contact with the eye, flush eyes with water while holding eyelids apart to ensure complete irrigation.
Ingestion:	No hazards which require special first aid measures. Consult physician if necessary.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flash Point (Method Used):	N/A
LEL:	N/A
UEL:	N/A
Extinguishing Method:	Carbon dioxide, dry chemical, foam, water or other agents as appropriate for materials in surrounding fire
Special Fire Fighting Procedures:	Wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus and full protective clothing.

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Unusual Fire and Explosion Hazards: Molten film at higher temperatures can ignite and will burn.

6. ACCIDENTAL RELEASE MEASURES

Always wear recommended personal protective equipment. Collect and place in a solid waste container.

7. HANDLING AND STORAGE

Handling Precautions: Use normal personal hygiene and good housekeeping

Storage Requirements: Store in a cool, dry area, away from direct heat or sunlight

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls: Use general room ventilation plus local exhaust at points of fume generation to maintain exposure below the PEL/TLV exposure limits.

Protective Equipment: Use heat resistant gloves if handling melted material. As a general practice in manufacturing areas, safety glasses that conform to ANSI Z87.1 should be worn. A NIOSH/MSHA approved respirator should be worn in areas where the PEL/TLV is exceeded.

Exposure Guideline/Other:

Ingredient Name	Guideline	Form of Exposure	Concentration , Density
Caprolactam (vapor)	ACGIH TWA	Inhalable fraction and vapor	5 mg/m ³
	NIOSH REL	Vapor	0.22 ppm, 1 mg/m ³
	NIOSH REL	Dust	1 mg/m ³
	NIOSH STEL	Vapor	0.66 ppm, 3 mg/m ³
	NIOSH STEL	Dust	3 mg/m ³
	US CA OEL TWA PEL	Vapor	5 ppm, 20 mg/m ³
	US CA OEL TWA PEL	Dust	1 mg/m ³
	US CA OEL STEL	Vapor	10 ppm, 40 mg/m ³
	US CA OEL STEL	Dust	3 mg/m ³
	OSHA Z1A TWA	Dust	1 mg/m ³
	OSHA Z1A TWA	Vapor	5 ppm, 20 mg/m ³
	OSHA Z1A STEL	Vapor	10 ppm, 40 mg/m ³
	OSHA Z1A STEL	Dust	3 mg/m ³

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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:	>419F-482F (215C-250C)
Water Solubility:	Negligible
Spec. Grav./Density:	1.13-1.14 g/cm ³

10. STABILITY AND REACTIVITY

Stability:	Normally Stable
Conditions to avoid:	Avoid exposure to open flame or temperatures exceeding recommended processing temperatures. The maximum temperature to which the film can be exposed will vary with exposure (dwell) time. RAP should be contacted if questions arise concerning specific processing conditions.
Materials to avoid (Incompatibility):	Strong oxidizers.
Hazardous Decomposition Products:	Thermal decomposition products may include ammonia, hydrogen cyanide (hydrocyanic acid), carbon monoxide, and carbon dioxide.
Hazardous Polymerization:	Will not occur

11. TOXICOLOGICAL INFORMATION

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

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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.

15. REGULATORY INFORMATION

EU.EINECS :	On the inventory, or in compliance with inventory
US.Toxic Substances Control Act :	On the inventory, or in compliance with inventory
Australia. Industrial Chemical (Notification and Assessment) Act :	On the inventory, or in compliance with inventory
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133 :	On the inventory, or in compliance with inventory
Japan. Kashin-Hou Law List :	On the inventory, or in compliance with inventory
Korea. Toxic Chemical Control Law (TCCL) List :	On the inventory, or in compliance with inventory
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act :	On the inventory, or in compliance with inventory
China. Inventory of Existing Chemical Substances :	On the inventory, or in compliance with inventory

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National Regulatory Information

SARA 311/312 Hazards: No SARA Hazards

California Prop. 65 : On This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

New Jersey RTK : Caprolactam CAS 105-60-2

Pennsylvania RTK : Caprolactam CAS 105-60-2

WHMIS Classification : Not rated

16. OTHER INFORMATION

Current Issue Date: 01/29/2009

Previous Issue Date: 01/23/2009