

MATERIAL SAFETY DATA SHEET



RED NYLON

1. PRODUCT AND COMPANY NAME

PRODUCT NAME: RED NYLON

DESCRIPTION: Heat Stabilized Nylon 6 Films

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>
Poly[imino(1-oxo-1,6-hexanediyl)]	(CAS 25038-54-4)	50-90%
Proprietary Component(s)	(CAS Trade Secret)	8-48%
Colorants	(CAS Not Available)	0-2%
Caprolactam	(CAS 105-60-2)	0-1%

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. 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: None needed under normal usage. If exposed to vapors at elevated processing temperatures, remove to fresh air.

Skin Contact: None needed

Eye Contact: None needed under normal usage. If material comes into contact with the eye, flush eyes with water while holding eyelids apart for 15 minutes to ensure complete irrigation.

Ingestion: None needed.

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.

Unusual Fire and Explosion Hazards: Solid polymer is not likely to be burned.

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.

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8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls: 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:

<u>INGREDIENT NAME</u>	<u>GUIDELINE</u>	<u>AMOUNT</u>	<u>FORM OF EXPOSURE</u>
Caprolactam (vapor)	ACGIH TWA	5 mg/m ³	Inhalable fraction and vapor
	NIOSH REL	0.22ppm 1mg/m ³	Vapor
	NIOSH REL	1 mg/m ³	Dust
	NIOSH STEL	0.66ppm 3mg/m ³	Vapor
	NIOSH STEL	3 mg/m ³	Dust
	US CA OEL TWA PEL	5ppm 20 mg/m ³	Vapor
	US CA OEL TWA PEL	1 mg/m ³	Dust
	US CA OEL STEL	10 ppm 40mg/m ³	Vapor
	US CA OEL STEL	3 mg/m ³	Dust
	OSHA Z1A TWA	1 mg/m ³	Dust
	OSHA Z1A TWA	5 ppm 20mg/m ³	Vapor
	OSHA Z1A STEL	10 ppm 40 mg/m ³	Vapor
	OSHA Z1A STEL	3 mg/m ³	Dust

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear or 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)

Solubility: Negligible

Spec. Grav./Density: 1.13-1.14 g/cm³

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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 oxidizer agents.
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
Acute oral toxicity	Not determined
Acute dermal toxicity	Not determined
Acute inhalation toxicity	Not determined
Delayed (Sub-chronic and chronic) Effects:	None known
Other Data:	None

12. ECOLOGICAL INFORMATION

No quantitative data regarding ecological effects.

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.

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14. TRANSPORT INFORMATION

US DOT Hazard Class:	Not regulated
US DOT ID Number:	Not applicable
TDG	Not dangerous
IATA	Not dangerous
IMDG	Not dangerous

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

15. REGULATORY INFORMATION

Toxic Substance Control Act (TSCA)

TSCA Inventory Status: All components are listed on the TSCA Inventory.

Australia. Industrial Chemical (Notification and Assessment) Act : On the inventory, or in compliance with the inventory

Canada. Canadian : On the inventory, or in compliance with the inventory

Environmental Protection Act (CEPA). Domestic Substances List (DSL) (Can. Gaz. Part II, Vol. 133) : On the inventory, or in compliance with the inventory

Japan. Kashin-Hou Law List : On the inventory, or in compliance with the inventory

Korea. Toxic Chemical Control Law (TCCL) List : On the inventory, or in compliance with the inventory

Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act : On the inventory, or in compliance with the inventory

China. Inventory of Existing Chemical Substances : On the inventory, or in compliance with the inventory

EU. EINECS : On the inventory, or in compliance with the 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: 10/05/2010
Previous Issue Date: 01/15/2009