

MATERIAL SAFETY DATA SHEET



VENTO 514

1. PRODUCT AND COMPANY NAME

PRODUCT NAME: VENTO 514
DESCRIPTION: Nylon Film for Debulk and Compaction Operations
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>
Proprietary Resin	(CAS Trade Secret)	60-100%
Butene, Polymer with Ethene	(CAS 25087-34-7)	5-7%
Caprolactam	(CAS 105-60-2)	0-1%

MATERIAL SAFETY DATA SHEET



3. HAZARD IDENTIFICATION

POTENTIAL HEALTH HAZARDS

Route of Entry:	Inhalation
Target Organs:	N/A
Inhalation:	Unlikely route of exposure. No hazards resulting from the material as supplied. Vapor during processing may be irritating to the respiratory tract and to the eyes.
Skin Contact:	No hazards resulting from the material as supplied
Eye Contact:	No hazards resulting from the material as supplied. May cause mechanical irritation.
Ingestion:	Unlikely route of exposure. No hazards resulting from the material as supplied.
Carcinogenicity:	No components of this product present at levels greater than or equal to 0.1% is identified as a known a known or anticipated carcinogen by NTP, IARC, or OSHA

4. FIRST AID MEASURES

Inhalation:	No hazards which require special first aid measures. Vapor during processing may be irritating to the respiratory tract and to the eyes. If inhaled, remove to fresh air.
Skin Contact:	No hazards which require special first aid measures.
Eye Contact:	No hazards which require special first aid measures. In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Ingestion:	Unlikely route of exposure. No hazards which require special first aid measures. Consult a physician if necessary.

MATERIAL SAFETY DATA SHEET



5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flash Point (Method Used): N/A

LEL: N/A

UEL: N/A

Extinguishing Method: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special Fire Fighting Procedures: In the event of fire and/or explosion do not breathe fumes. Wear self-contained breathing apparatus and protective suit.

Unusual Fire and Explosion Hazards: The solid polymer can only be burned with difficulty. Forms or accumulates static electricity, may cause fire or explosion. May combust when if it comes in contact with naked flames or high temperatures. In case of fire hazardous decomposition products may be produced such as: Carbon monoxide, Carbon dioxide (CO₂), Aldehydes, Hydrogen cyanide (hydrocyanic acid).

6. ACCIDENTAL RELEASE MEASURES

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

MATERIAL SAFETY DATA SHEET



7. HANDLING AND STORAGE

Handling Precautions: Handle with care. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice.

Storage Requirements: Keep away from heat and sources of ignition. Keep in a dry, cool and well ventilated place. Keep away from direct sunlight. Store away from incompatible substances

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls: General room ventilation is adequate for storage and handling. Use adequate ventilation and/or engineering controls in high temperature processing to prevent exposure to vapors.

Protective Equipment: Wear as appropriate: Safety glasses with side-shields. When handling hot material, use heat resistant gloves. No personal respiratory protective equipment normally required. In the case of vapour formation use a respirator with an approved filter. Handle in accordance with good industrial hygiene and safety practice.

Exposure Guideline/Other:

Ingredient Name

Caprolactam	105-60-2	ACIGH	TWA		5 mg/m ³
		Form of exposure	Inhalable fraction and vapor		
		NIOSH	REL	0.22 ppm	1 mg/m ³
		Form of exposure	Vapor		
		NIOSH	REL		1 mg/m ³
		Form of exposure	Dust		
		NIOSH	STEL	0.66 ppm	3 mg/m ³
		Form of exposure	Capor		
		NIOSH	STEL		3 mg/m ³
		Form of exposure	Dust		
		US CA OEL	TWA PEL	5 ppm	20 mg/m ³
		Form of exposure	Vapor		
		US CA OEL	TWA PEL		1 mg/m ³
		Form of exposure	Dust		

MATERIAL SAFETY DATA SHEET



US CA OEL	STEL	10 ppm	40 mg/m ³
Form of exposure		Vapor	
US CA OEL	STEL		3 mg/m ³
Form of exposure		Dust	
OSHA Z1A	TWA		1 mg/m ³
Form of exposure		Dust	
OSHA Z1A	TWA	5 ppm	20 mg/m ³
Form of exposure		Vapor	
OSHA Z1A	STEL	10 ppm	40 mg/m ³
Form of exposure		Vapor	
OSHA Z1A	STEL		3 mg/m ³
Form of exposure		Dust	
TX ESL	ST ESL		10 ug/m ³
Form of exposure		Dust	
TX ESL	ST ESL	50 ppm	230 ug/m ³
Form of exposure		Vapor	
TX ESL	AN ESL		1 ug/m ³
Form of exposure		Dust	
TX ESL	AN ESL	5 ppm	23 ug/m ³
Form of exposure		Vapor	

MATERIAL SAFETY DATA SHEET



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear or colored plastic film
Physical Status:	Solid
Odor:	None
pH:	N/A
Vapor Pressure:	Negligible at ambient temperatures
Vapor Density:	not determined
Boiling Point:	N/A
Freezing/Melting Point:	176C (350F)
Solubility:	Negligible
Spec. Grav./Density:	1.12 - 1.14

10. STABILITY AND REACTIVITY

Stability:	Normally stable
Conditions to avoid:	Heat, flames and sparks. Keep away from direct sunlight.
Materials to avoid (Incompatibility):	Strong oxidizing agents
Hazardous Decomposition Products:	In case of fire hazardous decomposition products may be produced such as: Carbon monoxide, Carbon dioxide (CO ₂), Aldehydes, Hydrogen cyanide (hydrocyanic acid)
Hazardous Polymerization:	Will not occur

11. TOXICOLOGICAL INFORMATION

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

MATERIAL SAFETY DATA SHEET



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

Inventories

EU. EINECS : On or in compliance with the inventory

US: Toxic Substances Control Act : On or in compliance with the inventory

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

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

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

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

MATERIAL SAFETY DATA SHEET



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

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

National regulatory information

SARA 311/312 Hazards : No SARA Hazards

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

WHMIS Classification : Not Rated

16. OTHER INFORMATION

Current Issue Date: 04/25/2008

Previous Issue Date: 02/19/2008