

MATERIAL SAFETY DATA SHEET



VAC-PAK[®] 450V and 450O

1. PRODUCT AND COMPANY NAME

PRODUCT NAME: VAC-PAK[®] 450V and 450O

DESCRIPTION: Low Capralactum Nylon 6-66 and Co-polymer PP resins

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

Chemical Characterization:

I-propene, polymer with ethane

Co-polyamide

Description:

Mixture of the substances listed below with harmless additives

I-propene, poymer with ethane - PA

3. HAZARD IDENTIFICATION

POTENTIAL HEALTH HAZARDS

Route of Entry: N/A
Target Organs: N/A
Inhalation: Not a route of entry
Skin Contact: Not a route of entry
Eye Contact: Not a route of entry
Ingestion: Not a route of entry
Carcinogenicity: N/A

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4. FIRST AID MEASURES

Inhalation:	In case of excessive inhalation of fumes move the person to fresh air. Call for medical help. Keep person warm, if necessary give mouth-to-mouth resuscitation, or artificial respiration.
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.
Eye Contact:	Rinse opened eye for several minutes under running water. Then consult a Doctor.
Ingestion:	No specific measures have to be taken if the product is swallowed. Get medical advice if necessary.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flash Point (Method Used):	N/A
Self Ignition Temperature Method:	400°C
Extinguishing Method:	Water (sprinkle), foam, dry powder, CO ₂ . Fire fighters must work from windward side
Special Fire Fighting Procedures:	Self contained breathing apparatus.
Unusual Fire and Explosion Hazards:	Water (H ₂ O), Carbon Dioxide (CO ₂), and when lacking Oxygen (O ₂), Carbon Monoxide (CO). The products of the burning are Dangerous. The formation of the Hydrocarbons and Aldehydes are possible in the initial stages of a fire (especially in between 400°C & 800°C)

6. ACCIDENTAL RELEASE MEASURES

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

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7. HANDLING AND STORAGE

Handling Precautions: Static charges can develop if the laminate is unwound over metal or other rollers. Under some circumstances, discharge can ignite flammable vapours and gases, so appropriate precautions should be taken during conversion in potentially explosive atmospheres. When processing thermally, make sure that there is adequate ventilation at the workplace. The room air must be free from solvent fumes and there must be no open solvent containers in the vicinity.

Storage Requirements: Store the film in a cool, dry place. Do not expose to direct sunlight. Take precautionary measures to prevent the formation of static electricity. Ground equipment electrically. Open flames prohibited.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls: Recommended, mechanical ventilation in confined areas.

Protective Equipment: Hand and glove protection as recommended by company policy. In the case of organic fumes in the area of handling, wearing conductive footwear is recommended. Wash hands thoroughly after handling.

Exposure Guideline/Other: In the event of a fine dust formed during mechanical processing such as shredding or milling, observe the relevant regulations/limits. Maximum exposure limit for breathable dust is 4mg/m² (former total dust).

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Orange/Violet film
Physical Status:	TPU Film
Odor:	No odor
pH:	N/A
Vapor Pressure:	N/A
Vapor Density:	N/A
Boiling Point:	N/A
Freezing/Melting Point:	150-180C (302-356F)
Solubility:	Insoluble
Spec. Grav./Density:	To be confirmed

10. STABILITY AND REACTIVITY

Stability:	Stable
Conditions to avoid:	The product is stable at normal handling and storage conditions. Decomposes over 300°C
Materials to avoid (Incompatibility):	Strong oxidation agent.
Hazardous Decomposition Products:	No hazardous decomposition products known at room temperature.
Hazardous Polymerization:	Will not occur

11. TOXICOLOGICAL INFORMATION

Immediate (Acute) Effects:	None
Delayed (Sub-chronic and chronic) Effects:	None
Other Data:	Irritating vapours may form at higher processing temperatures.

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12. ECOLOGICAL INFORMATION

Not toxic to environment. This product is not biodegradable. Floats on water. There is no bioaccumulation.

13. DISPOSAL CONSIDERATIONS

Disposal through controlled incineration or authorized waste dump. Disposal must be done according to official regulations.

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

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.

FURTHER REGULATIONS, RESTRICTIONS AND PROHIBITION REGULATIONS:

Generally all national regulations regarding this product type apply.

16. OTHER INFORMATION

Current Issue Date: 10/05/2010
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