

MATERIAL SAFETY DATA SHEET



A5000 SGR

1. PRODUCT AND COMPANY NAME

PRODUCT NAME: A5000 SGR

DESCRIPTION: High Elongation FEP Fluorocarbon Release Films, Plain and Perforated

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>
Fluorinated Ethylene Propylene Copolymer	25067-11-2	>99%
Inert pigment (heavy metal free)	various	<1%

All components appear on TSCA Inventory. This product contains no substances at or above the reporting threshold under Section 313 of Title III of the US EPA Superfund Amendments and Reauthorization Act of 1986 and US Code of Federal Regulations, 40CFR part 372, based on available data.

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3. HAZARD IDENTIFICATION

POTENTIAL HEALTH HAZARDS

Route of Entry:	Inhalation
Target Organs:	Respiratory
Inhalation:	Not a route of exposure under normal usage. Elevated processing temperatures may release irritating vapors. There are some reports in the literature of persistent pulmonary effects in individuals, especially smokers, who have had repeated episodes of Apolymer fume fever. Because of complicating factors, such as mixed exposures and smoking history, these findings are uncertain.
Skin Contact:	Not considered hazardous.
Eye Contact:	Not considered hazardous.
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:	Not anticipated under normal usage conditions. If necessary, flush eyes with water and seek medical advice.
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:	Not anticipated under normal usage conditions. If necessary, flush eyes with water and seek medical advice.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flash Point (Method Used):	N/A
Self Ignition (Method Used):	N/A
LEL:	N/A
UEL:	N/A
Oxygen Index:	>95%
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:	Does not burn without external fuel source. Fluoropolymers can increase toxic properties of gases evolved during fire.

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: Do not subject product to fire. Decomposition of FEP products above 230°C may evolve toxic gases and cause Apolymer fume fever if inhaled.

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

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: N/A

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Red
Physical Status: Solid
Odor: No odor
pH: N/A
Vapor Pressure: N/A
Vapor Density: N/A
Boiling Point: N/A
Freezing/Melting Point: 500°F (260°C)
Ignition Temperature: >500°C
Solubility: Insoluble
Spec. Grav./Density: 2.12-2.17

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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):	Reacts with molten alkali metals and interhalogen compounds. Will burn in atmosphere of 95% oxygen when ignited.
Hazardous Decomposition Products:	Thermal decomposition products may include hydrofluoric acid, carbonyl fluoride, and other perfluoro olefins.
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. Can be incinerated only if the HF effluent can be extracted from the flue gases.

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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

Toxic Substance Control Act (TSCA)

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

Other TSCA Issues: None.

SARA Title III/CERCLA

"Reportable Quantities" (RQs) and/or "Threshold Planning Quantities" (TPQs) exist for the following ingredients.

Ingredient Name

SARA/CERCLA RO (lb) SARA EHS TPO (lb)

No ingredients listed in this section.

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (1-800-424-8802) and to your Local Emergency Planning Committee.

Section 311 Hazard Class: None.

The following ingredients are SARA 313 "Toxic Chemicals". CAS numbers and weight percents are found in Section 2.

Ingredient Name

Comment

No ingredients listed in this section.

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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.		

Additional Regulatory Information:

This product is not intended to be used in any application which places the product in direct contact with the human body, or in other FDA governed applications, unless specifically designated otherwise in written material supplied by RAP to the purchaser.

WHMIS Classification (Canada):

Not a controlled substance. (Considered to be a manufactured article.)

Foreign Inventory Status:

All base monomers and other components are listed on the EINECS Inventory.

16. OTHER INFORMATION

Current Issue Date: 10/05/2010

Previous Issue Date: 04/03/2010