MATERIAL SAFETY DATA SHEET

ACCORDANCE TO REGULATION (EC) 1907/2006

E7760

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY / UNDERTAKING

PRODUCT NAME: E7760

USE OF SUBSTANCE/PREPARATION:
RECOMMENDED USE: Polyester Release film

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. HAZARDS IDENTIFICATION

INDICATION OF DANGER: This product is an inert polyethylene terephthalate polymer. According to Directives 67/548/EEC and 1999/45/EC, it is not classified as hazardous to humans and the environment. This product is not considered hazardous by the criteria described in the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Route of Entry:	Skin and eye contact
Target Organs:	None
Inhalation:	Not a route of exposure under normal handling and usage.
Skin Contact:	Not considered hazardous under normal handling and usage.
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.
Carcinogenic Status:	Not considered carcinogenic by NTP, IARC, and OSHA

3. HAZARD IDENTIFICATIONCOMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS: None - Product is an inert polyethylene polymer and poses no danger in its normal state.

Ingredient Name	CAS #	% of Ingredient
Polyethylene Terephthalate	(CAS 25038-59-9)	Proprietary Information
Acetaldehyde	(CAS 75-07-0)	N/A

Under normal use conditions, Acetaldehyde release would be negligible. However, machining, grinding, or other dusting conditions should be monitored and respirable dust and particulate exposure maintained below established exposure limits.

Components are not classified as dangerous according to Directive 1999/45/EC. Quantities of listed compounds contained in this product are not reportable under the article exemption since they do not release or otherwise result in exposure of a hazardous chemical under normal conditions of use. Product is a solid film that requires no preparation and causes no health or environmental hazards within the meaning of Directive 67/548/EEC.

4. FIRST AID MEASURES

Inhalation:	Not an expected route of entry during normal handling and use. Remove person to fresh air and seek medical attention if adverse symptoms appear.
Skin Contact:	Not an expected route of entry during normal handling and use.
Eye Contact:	Not an expected route of entry during normal handling and use.
Ingestion:	Obtain immediate medical attention.
Advice to Physicians:	Treat symptomatically.

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:	Products of combustion may include oxides of carbon and nitrogen.

6. ACCIDENTAL RELEASE MEASURES

No specific measure necessary. Prevent material from entering drains or water courses.

7. HANDLING AND STORAGE

Handling Precautions:	Use normal personal hygiene and good housekeeping.
Storage Requirements:	Store in a cool, dry area, away from sources of ignition.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering Controls: Unwinding, winding and passage of polyethylene terephthalate film through and over rollers will tend to generate a strong electrostatic charge on the web. Static discharge devices should be properly positioned at such points to eliminate the charge and to prevent uncontrolled discharge from the web. This is particularly required in potentially explosive atmospheres and to protect personnel from the effect of a static discharge.

Environmental Exposure Control: No specific measures necessary.

Respiratory Protection: If the film could be subjected to conditions releasing acetaldehyde, then powered supply and exhaust ventilation must be used to ensure compliance with regulations. Alternatively, self-contained breathing apparatus should be used.

Hand Protection: No specific measures necessary.

Eye Protection: No specific measures necessary. Avoid mechanical irritation. Use safety glasses if necessary.

Skin Protection: Heavy gauge polyester film can contain sharp edges. Use of protective gloves is recommended.

OCCUPATIONAL EXPOSURE STANDARDS:

INGREDIENT NAME	Guideline	Concentration
Acetaldehyde	ACGIH TLV OSHA Vacated PEL	25 ppm (Ceiling) 100 ppm TWA

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Matte 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:	482°F (250°C)
Decomposition:	> 250°C
Solubility:	Insoluble
Spec. Grav./Density:	1.4-1.5 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, acids, alkalis, halogens, halogenated hydrocarbons
Hazardous Decomposition Products:	Fire fighters should protect themselves from hazardous decomposition and combustion products that may include acetaldehyde, carbon monoxide, carbon dioxide and other toxic gases. Burning of primed films may also generate trace amounts of degradation products including hydrogen fluoride, hydrogen chloride and carbonyl fluoride.
Hazardous Polymerization:	Will not occur

Hazard Designations

	NFPA
Health:	0
Flammability:	1
Reactivity:	0

KEY
0-None
1-Slight
2-Moderate
3-Severe
4-Extreme

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	Not determined
Chronic Toxicity / Carcinogenicity Effects:	Not expected to cause adverse health effects.
Genotoxicity:	Not expected to cause mutagenic effects.
Reproductive / Developmental Toxicity:	Not expected to cause adverse reproductive effects.
Other Data:	N/A

12. ECOLOGICAL INFORMATION

Product is not classified as hazardous according to Directive 1999/45/EC. No relevant studies identified.

Exotoxicity:	No relevant studies identified.
Mobility:	No relevant studies identified.
Persistance and degradability:	No relevant studies identified
Bioaccumulative Potential:	No relevant studies identified.
Other Adverse Effects:	N/A

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

No special precautions to be aware of under 1907/2006/EC.

Polyester film is not classified as a hazardous waste under the Resource Conservation And Recovery Act and, unless prohibited by state or local regulation, can be disposed of in a municipal landfill or incinerated.
This product is not classified by the Department of Transportation as a hazardous material.

US DOT Hazard Class:	Not regulated
US DOT ID Number:	Not applicable
UN Proper Shipping Name:	None
UN Class:	None
UN Packaging Group:	None
Marine Pollutant:	Not applicable

Classification for AIR Transportation (IATA): Consult current IATA regulations prior to shipping by air.

15. REGULATORY INFORMATION

Quantities of listed components contained in this product are not reportable under article exemption according to Directives 67/548/EEC and 1999/45/EC.

Toxic Substance Control Act (TSCA)

This product is classified as an article under the TSCA.

TSCA Inventory Status: N/A
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.		

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.	

State Right-To-Know

In addition to the ingredients found in Section 2, the following are listed for state right-to-know purposes.

Ingredient Name	Weight %	Comment
N/A		

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.

Polyethylene terephthalate polymer is listed on the Canadian DSL and its reactants are listed on EINECS.

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

Prepared By:

Engineering and Quality Assurance

Bibliography:

- Directive EEC 67/548 and following adaptations
- Directive 1999/45/EC, as amended
- Directive 76/769/EEC and following amendments
- Directive 2001/58/EC
- EINECS/ELINCS
- 1907/2006/EC

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