

**MATERIAL SAFETY DATA SHEET**  
**Polyethylene Films**

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**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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**PRODUCT NAME:** Polyethylene Films

**OTHER/GENERIC NAMES:** Polyethylene Low Density

**PRODUCT USE:** Plastic film.

**MANUFACTURER:** RUTAN Polyethylene Supply & Bag Mfg. Co., Inc.  
39 Siding Place Mahwah, New Jersey 07430

**FOR MORE INFORMATION CALL:**  
(Monday-Friday, 9:00am-4:30pm)  
201 - 5291474

**IN CASE OF EMERGENCY CALL:**  
(24 Hours/Day, 7 Days/Week)  
201 - 5291474

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

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<u>INGREDIENT NAME</u>	<u>CAS #</u>	<u>WEIGHT %</u>
POLYETHYLENE FILM (Non Hazardous)	9002-88-4	98-100

Trace impurities and additional material names not listed above may also appear in the Regulatory Information section (#15) towards the end of the MSDS. These materials may be listed for local "Right to Know" compliance and for other reasons.

**3. HAZARDS IDENTIFICATION**

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**EMERGENCY OVERVIEW:** A clear or colored plastic film. Not considered hazardous. Can release irritating and/or toxic vapors if involved in a fire.

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**POTENTIAL HEALTH HAZARDS:**

**SKIN:** Not hazardous.

**EYES:** Not hazardous.

**INHALATION:** Not a route of exposure.

**INGESTION:** Not a route of exposure. Not toxic. Acute oral doses of polyethylene at 7.95 g/kg fed to rats showed no evidence of adverse effects. Dietary levels of 1.25, 2.5, or 5 percent polyethylene for 90 days produced no adverse effects in rats.

**DELAYED EFFECTS:** None known.

Ingredients found on one of the OSHA designated carcinogen lists are listed below.

<u>Ingredient Name</u>	<u>NTP Status</u>	<u>IARC Status</u>	<u>OSHA List</u>
*No ingredients listed in this section*			

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**4. FIRST AID MEASURES**

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**SKIN:** None needed.

**EYE:** None needed.

**INHALATION:** None needed.

**INGESTION:** None needed.

**ADVICE TO PHYSICIAN:** None.

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**5. FIRE FIGHTING MEASURES**

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**FLAMMABLE PROPERTIES:**

**FLASH POINT:** Not applicable.

**FLASH POINT METHOD:** None applicable.

**AUTOIGNITION TEMPERATURE:** 645 °F (ASTM D 1929)

**UPPER FLAME LIMIT (Volume % in air):** Not applicable.

**LOWER FLAME LIMIT (Volume % in air):** Not applicable.

**FLAME PROPAGATION RATE (Solids):** Not determined.

**OSHA FLAMMABILITY CLASS:** Not determined.

**EXTINGUISHING MEDIA:**

Use any standard agent (water, dry chemical, carbon dioxide or foam). If possible, water should be applied as a spray from a fogging nozzle since polyethylene is a surface burning material.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

Thermal decomposition vapors may be toxic.

**SPECIAL FIREFIGHTING PRECAUTIONS/INSTRUCTIONS:**

Wear self-contained positive pressure breathing apparatus.

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**6. ACCIDENTAL RELEASE MEASURES**

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**IN CASE OF SPILL OR OTHER RELEASE:**

Not applicable.

(Always wear recommended personal protective equipment.)

Spills and releases may have to be reported to Federal and/or local authorities. See the Regulatory Information section (#15) regarding reporting requirements.

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**7. HANDLING AND STORAGE**

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**NORMAL HANDLING:** (Always wear recommended personal protective equipment.

Such as safety glasses, safety shoes and others as required by your employer.) Use normal personal hygiene and good housekeeping.

**STORAGE RECOMMENDATIONS:**

Store in a cool, dry area. Keep away from pesticides, PCBs and other hazardous chemical. Normal storage conditions are acceptable. Apply FDA good manufacturing practices.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**ENGINEERING CONTROLS:**

Use local exhaust in confined spaces where material is heated.

**PERSONAL PROTECTIVE EQUIPMENT:**

**SKIN PROTECTION:**

Not required. Use heat resistant gloves if handling melted material.

**EYE PROTECTION:**

Not normally required. Use safety glasses if material is heated to a melted state.

**RESPIRATORY PROTECTION:**

Not normally required.

**ADDITIONAL RECOMMENDATIONS:**

Plastic films less than 1 mil in thickness and bags in general present a suffocation hazard to children. Proper hazard warning for end user is recommended. In some states warnings are required.

**EXPOSURE GUIDELINES:**

(Guidelines exist for the following ingredients)

<u>Ingredient Name</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>Other Limit</u>
POLYETHYLENE FILM (Non Hazardous)			

- \* = Limit established by Rupan for internal use.
- \*\* = Workplace Environmental Exposure Level (AIHA).
- \*\*\* = Biological Exposure Index

Other exposure limits for the potential decomposition products are as follows:

None

**9. PHYSICAL AND CHEMICAL PROPERTIES**

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**APPEARANCE:** Clear or colored plastic film.

**PHYSICAL STATE:** Solid.

**ODOR:** None.

**SPECIFIC GRAVITY:** (Water = 1.0) 0.91 - 1.05  
**SOLUBILITY IN WATER:** (Weight %) Insoluble.

**pH:** Not applicable.

**BOILING POINT:** Not applicable.

**MELTING POINT:** 219 - 239 °F

**VAPOR PRESSURE:** Not applicable.

**VAPOR DENSITY:** (Air = 1.0) Not applicable.

**EVAPORATION RATE:** Not applicable. Compared to: Not applicable.

**% VOLATILES:** Zero.

**FLASH POINT:** Not applicable.

(Flash point method and additional flammability data are found in section 5.)

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**10. STABILITY AND REACTIVITY**

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**NORMALLY STABLE? (Conditions to Avoid)**  
Normally stable.

**INCOMPATIBILITIES:**  
May burn or react violently with fluorine/oxygen mixtures with 50 to 100 % fluorine. May be decomposed by strong oxidizing agents such as nitric and sulfuric acids, halogens and chlorinating agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:**  
Thermal decomposition products may include C, CO, CO<sub>2</sub>, H<sub>2</sub>O, acrolein, formaldehyde, and other organic vapors.

**HAZARDOUS POLYMERIZATION?**  
Not expected to occur.

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**11. TOXICOLOGICAL INFORMATION**

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**IMMEDIATE (ACUTE) EFFECTS:**  
Material is considered inert.

**DELAYED (SUBCHRONIC & CHRONIC) EFFECTS:**  
Material is considered inert.

**OTHER DATA:**  
None.

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**12. ECOLOGICAL INFORMATION**

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Material is considered inert.

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**13. DISPOSAL CONSIDERATIONS**

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**RCRA:**  
Is the unused product a RCRA hazardous waste if discarded? No.  
If yes, the RCRA ID number is:

**OTHER DISPOSAL CONSIDERATIONS:** Check with state and local authorities before discarding. Usually considered an inert packaging material that can be recycled or landfilled.

The information offered here is for the product as shipped. Use and/or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

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**14. TRANSPORT INFORMATION**

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**US DOT HAZARD CLASS:** Not regulated.

**US DOT ID NUMBER:** Not applicable.

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For additional information on shipping regulations affecting this material, contact the information number found on the first page.

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**15. REGULATORY INFORMATION**

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**TOXIC SUBSTANCES CONTROL ACT (TSCA):**

**TSCA INVENTORY STATUS:** Listed on TSCA Inventory.

**OTHER TSCA ISSUES:** None.

**SARA TITLE III/CERCLA:**

**RQs & TPQs:**

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

<u>Ingredient</u>	<u>SARA/CERCLA RQ(lbs)</u>	<u>SARA EHS TPO(lbs)</u>
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\*No ingredients listed in this section\*

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

**SECTION 311 HAZARD CLASS:** None.

**SARA 313 TOXIC CHEMICALS:**

The following ingredients are SARA 313 "Toxic Chemicals". CAS #'s and wt.% are found in section #2.

<u>Ingredient</u>	<u>Comment</u>
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\*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:

<u>Ingredient</u>	<u>Wt. %</u>	<u>Comment</u>
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None listed in this section.

**ADDITIONAL REGULATORY INFORMATION:**

The base monomer is listed on the EINECS Inventory and the Japanese MITI Inventory.

**WHMIS CLASSIFICATION (CANADA):**

Not a controlled substance.

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**16. OTHER INFORMATION**

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**CURRENT ISSUE DATE:** February 2, 1996

**PREVIOUS ISSUE DATE:** February 2, 1996

**CHANGES TO MSDS FROM PREVIOUS ISSUE DATE ARE DUE TO THE FOLLOWING:**

Conversion of existing product MSDS to new format. Changes made to Regulatory Information (Section 15).

**OTHER INFORMATION:** THIS PRODUCT SAFETY DATA SHEET IS OFFERED SOLELY FOR YOUR INFORMATION, CONSIDERATION AND INVESTIGATION. RUTAN POLYETHYLENE SUPPLY & BAG MFG. CO. INC. PROVIDES NO WARRANTIES, EITHER EXPRESS OR IMPLIED, AND ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE

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DATA CONTAINED HEREIN. EEC TRANSPORT INFORMATION: United Nations Number : NOT APPLICABLE , Not Hazardous. ADR/RID Class : NOT APPLICABLE , Not Hazardous. Packing Group : NOT APPLICABLE , Not Hazardous. IMDG Code : NOT APPLICABLE , Not Hazardous. ICAO/IATA : NOT APPLICABLE , Not Hazardous. IMO Shipping Name : NOT APPLICABLE , Not Hazardous. IATA Shipping Name : NOT APPLICABLE , Not Hazardous. ADR Shipping Name : NOT APPLICABLE , Not Hazardous. RID Shipping Name : NOT APPLICABLE , Not Hazardous.