

# MATERIAL SAFETY DATA SHEET



## STRETCH-VAC™ 2000

### 1. PRODUCT AND COMPANY NAME

**PRODUCT NAME:** STRETCH-VAC™ 2000

**DESCRIPTION:** Soft Co-Extruded Nylon with Ultra High Elongation

**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> |
|---------------------------|--------------------|------------------------|
| Nylon 6 Homopolymer       | (CAS 25038-54-4)   | 30-70%                 |
| Nylon 6,6/6 Copolymer     | (CAS 24993-04-2)   | 10-40%                 |
| Thermoplastic Elastomer   | (CAS Trade Secret) | 10-40%                 |
| Colorants and Stabilizers | (CAS Trade Secret) | 0-3%                   |

Trace impurities and additional material names not listed above may also appear in Section 15 towards the end of the MSDS. These materials may be listed for local "Right-To-Know" compliance and for other reasons.

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## 3. HAZARD IDENTIFICATION

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### POTENTIAL HEALTH HAZARDS

|                        |  |
|------------------------|--|
| <b>Route of Entry:</b> | N/A  |
| <b>Target Organs:</b>  | N/A  |
| <b>Inhalation:</b>     | No hazards which require special first aid measures. Vapour during processing may be irritating to the respiratory tract and to the eyes. If inhaled, remove to fresh air. |
| <b>Skin Contact:</b>   | No hazards which require special first aid measures.   |
| <b>Eye Contact:</b>    | No hazards which require special first aid measures.   |
| <b>Ingestion:</b>      | Unlikely route of exposure. No hazards which require special first aid measures.   |

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## 4. FIRST AID MEASURES

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|                      |  |
|----------------------|--|
| <b>Inhalation:</b>   | None needed under normal usage. If exposed to vapors at elevated processing temperatures, remove to fresh air.                           |
| <b>Skin Contact:</b> | None needed  |
| <b>Eye Contact:</b>  | In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. |
| <b>Ingestion:</b>    | Consult a physician if necessary.  |

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## 5. FIRE FIGHTING MEASURES

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### 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 in contact with naked flames, high temperature. In case of fire hazardous decomposition products may be produced such as: Carbon monoxide Carbon dioxide (CO<sub>2</sub>)Hydrogen cyanide (hydrocyanic acid)

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## 6. ACCIDENTAL RELEASE MEASURES

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

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## 7. HANDLING AND STORAGE

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

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

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## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

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**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:** Eye protection - Wear as appropriate: Safety glasses with side-shields. Hand protection - When handling hot material, use heat resistant gloves. Skin and body protection - Wear heat protective clothing for handling hot material. Respiratory protection - No personal respiratory protective equipment normally required. In the case of vapor formation use a respirator with an approved filter. Hygiene measures - Handle in accordance with good industrial hygiene and safety practice.

**Exposure Guideline/Other:** N/A

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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|                                |                               |
|--------------------------------|-------------------------------|
| <b>Appearance:</b>             | Clear or colored plastic film |
| <b>Physical Status:</b>        | Solid                         |
| <b>Odor:</b>                   | No odor                       |
| <b>pH:</b>                     | N/A                           |
| <b>Vapor Pressure:</b>         | N/A                           |
| <b>Vapor Density:</b>          | N/A                           |
| <b>Boiling Point:</b>          | N/A                           |
| <b>Freezing/Melting Point:</b> | Not determined                |
| <b>Solubility:</b>             | Negligible                    |
| <b>Density:</b>                | 0.9 - 1.1 g/cm <sup>3</sup>   |

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## 10. STABILITY AND REACTIVITY

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|--|--|
| <b>Stability:</b>                            | Normally Stable  |
| <b>Conditions to avoid:</b>                  | Heat, flames and sparks. Keep away from direct sunlight. Avoid exposure to temperatures exceeding recommended processing conditions. Honeywell should be contacted if questions arise concerning specific processing conditions. |
| <b>Materials to avoid (Incompatibility):</b> | Strong oxidizers.  |
| <b>Hazardous Decomposition Products:</b>     | In case of fire hazardous decomposition products may be produced such as: Carbon monoxide Carbon dioxide (CO <sub>2</sub> )Hydrogen cyanide (hydrocyanic acid). Thermal decomposition >275°C                                     |
| <b>Hazardous Polymerization:</b>             | Hazardous polymerization does not occur. Stable under normal conditions.   |

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## 11. TOXICOLOGICAL INFORMATION

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|---|----------------|
| <b>Immediate (Acute) Effects:</b>                 | Not determined |
| <b>Delayed (Sub-chronic and chronic) Effects:</b> | None known     |
| <b>Other Data:</b>                                | None           |

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## 12. ECOLOGICAL INFORMATION

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Material is considered inert and not expected to be biodegradable or toxic

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## 13. DISPOSAL CONSIDERATIONS

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Dispose of in compliance with Federal, state and local government regulations. Usually is considered an inert packaging material that can be recycled or landfilled.

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## 14. TRANSPORT INFORMATION

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**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.

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## 15. REGULATORY INFORMATION

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### Inventories

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

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

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

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

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

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

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

EU. EINECS : On the inventory, 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 State of California to cause cancer, birth, or any other reproductive defects

**WHMIS Classification** : Not Rated

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## 16. OTHER INFORMATION

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|                 | <b>HMIS III</b> | <b>NFPA</b> |
|-----------------|-----------------|-------------|
| Health Hazard   | : 0             | 0           |
| Flammability    | : 0             | 0           |
| Physical Hazard | : 0             |             |
| Instability     | :               | 0           |

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