

Avery Dennison[®] Instructional Bulletin 1.13

Material Safety Data Sheet for PVC

Revision 2

European Manufactured Products

Avery Dennison pressure sensitive films can be considered safe products as defined in EEC council directive 92/59 of June 29, 1992. Therefore, material safety data sheets as referred to in directive 88/379/EEC, article 10 and 91/155/EEC are not applicable to FasCal pressure sensitive films.

General Information

- **Health**
 - To our best knowledge, Avery Dennison pressure sensitive films do not present undue health hazards under normal conditions of use, handling and storage.
- **Handling and Conversion**
 - Normal safety procedures in handling and conversion should be applied.
- **Environment**
 - Avery Dennison films do not contain cadmium or cadmium compounds.
 - Avery Dennison films do not contain ozone depleting materials.
 - Avery Dennison retro-reflective films do not contain cadmium or cadmium compounds, nor ozone depleting materials.
- **Waste Disposal**
 - Generally, waste can be disposed of by routine waste disposal through government-licensed facilities, or as per disposal of ordinary waste material.

Note: This information is based on the present state of our knowledge, but no warranty, expressed or implied is made. If you require further information, please consult Avery Dennison technical marketing.

US Manufactured Products

Section 1 - Chemical Product and Company Identification

Product Name: Adhesive coated vinyl film

Spec Code:

Product Use: Adhesive coated vinyl film for use in graphics applications

Manufacturer: Avery Dennison

8080 Norton Pkwy, Mentor, OH 44060, United States

+1 440-534-6000 (Monday-Friday 8am to 5pm)

HMIS Hazard Rating	
Health	0
Flammability	1
Reactivity	0

Emergency Phone: +1 800 535 5053

Information Contacts: For technical information contact your technical sales representative.

Section 2 - Composition/Information on Ingredients

Components	CAS No.	% by Wt	Exposure Limits
Plastic film		50-75	NE
Paper liner	--	20-30	NE
Adhesive		10-20	NE

NE = Not established

OSHA Regulatory Status:

While this material is not classified as hazardous under OSHA regulations, this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of the product.

Section 3 - Hazards Identification

Emergency Overview

Solid roll of adhesive-coated plastic film with paper liner. Variety of colors. No significant hazards are expected following routine handling of this product at room temperature.
Avoid breathing vapors or fumes when handling at elevated temperatures above 140°C.
Decomposition and combustion of products may be harmful.

Potential Health Effects

Note: Because of its physical form, this product is not expected to present a significant health hazard at room temperature. Hazardous fumes and vapors may be produced by combustion and may be produced by decomposition during application of elevated temperatures, typically this will occur at surface temperatures above 140°C; however, the exact nature and composition have not been determined, but may include the following: plastic monomers, solvents, hydrogen chloride, metal oxides, carbon monoxide, carbon dioxide, and traces of incompletely burned products. Follow all handling precautions outlined in this MSDS, and work in well-ventilated areas.

Eye: Not expected to present a hazard at room temperature. Contact with sharp edges may result in cuts. Fumes or vapours emitted at elevated temperature may cause irritation.

Skin: Not expected to present a hazard at room temperature. Contact with sharp edges may result in cuts. Sensitive individuals may experience slight dryness following contact with the product.

Skin Absorption: Not expected to be a significant exposure route.

Inhalation: Not expected to present an inhalation hazard at room temperature. Fumes or vapours emitted at elevated temperatures may cause irritation of the nose, throat, and respiratory tract. Symptoms may include sore throat, coughing, or labored breathing, depending upon the concentration and duration of exposure. See 'note' above.

Ingestion: Ingestion of large amount may pose choking hazard and cause irritation to the mouth, throat and gastrointestinal tract. Contact with sharp edges may cut the inside of the mouth.

Chronic Effects/Special Toxic Effects: No specific data on this product. Prolonged and repeated exposure to fumes or vapours emitted during some application at elevated temperature may be harmful. See 'note' above.

IARC, NTP or OSHA Carcinogen: Not listed

Medical Conditions Aggravated by Exposure: Pre-existing medical conditions that may be aggravated by exposure include disorders of the skin and respiratory tract

Section 4 - First Aid Measures

Eye: If exposed to excessive amounts of fumes or vapors, flush eyes with plenty of water for at least 15 minutes, occasionally lifting the eyelids to ensure thorough rinsing. Get medical attention if irritation develops or persists. Cuts or abrasions require immediate medical attention.

Skin: Cuts or abrasion may require immediate medical attention. Depending upon the severity.

Inhalation: If overcome from exposure to excessive amounts of fumes or vapours, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Keep warm and at rest, get immediate medical attention.

Ingestion: In the unlikely event of swallowing large amounts of this material, get medical attention.

Section 5 - Fire Fighting Measures

Auto Ignition Temperature: >260oC (based on film)

Flash Point: Not applicable; product will burn if exposed to flame.

LEL: NA

UEL: NA

Extinguishing Media: Use foam, carbon dioxide, or water spray when fighting fires involving this material.

Fire Fighting Instructions: Avoid breathing irritating and potentially toxic fumes or vapours. In large fires, fire fighters should wear NIOSH/MSHA-approved positive pressure breathing apparatus (SCBA) with full-face mask and full protective equipment.

Unusual Hazards: Combustion of this material will result in the emission of irritating and toxic fumes. See Section 10 for additional information.

Section 6 - Accidental Release Measures

Spill or Release Procedures: NA. Product is supplied in solid rolls.

Waste Disposal Methods: Dispose in accordance with Federal, State and Local regulations.

Section 7 - Handling and Storage

Handling: Lift with proper handling technique.

Storage: Store in cool, dry area.

Section 8 - Exposure Control/Personal Protection

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: Safety glasses to prevent abrasions or cuts.

Skin Protection: Cotton or leather gloves to prevent abrasions or cuts.

Respiratory protection: Normally not needed in well-ventilated areas. If working in confined space with inadequate ventilation, respirator may be required. Use an NIOSH/MSHA approved, air-purifying respirator.

General: None

Ventilation: Provide adequate ventilation when applying films for extended periods of time in enclosed areas.

Exposure Guidelines: See Section 2 for component materials.

Other Information: NA

Section 9 - Physical and Chemical Properties

Appearance and Odor: Roll of adhesive-coated plastic film with polypropylene liner; variety of colors; faint, mild odor.

Boiling Point:

PH: NA

Melting Point: NA

Specific Gravity: NA

Vapour Pressure: NA

Vapour Density (Air=1): NA

Solubility in Water: Insoluble.

Evaporation Rate (Butyl Acetate=1): NA

Other Physical and Chemical Data: None

Section 10 - Stability and Reactivity

Chemical Stability: Stable under recommended storage conditions (see section 7)

Incompatibility with Other materials: Elevated temperatures, heat and sparks.

Hazard Decomposition Products: Smoke may contain the original materials in addition to unidentified toxic and/or irritating compound. Hazardous decomposition products may include but are not limited to: plastic monomers, solvents, hydrogen chlorides, metal oxides, carbon monoxide, carbon dioxide, and traces of incompletely burned products.

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

No specific data on this product. See Section 3 for potential health effects. For questions, write or call the address or number shown in Section 1.

Section 12 - Ecological Information

No specific data on this product.

Section 13 - Disposal considerations

Dispose in accordance with Federal, State, and Local regulations.

Section 14 - Transport Information

Proper Shipping Name: Not regulated.

DOT Hazard Classification: NA

UN/NA Number: Not applicable.

DOT Labeling Requirements: Not applicable

Section 15 - Regulatory Information

Toxic Substances Control Act (TSCA): Complies with TSCA Inventory requirements

Superfund Amendments and Reauthorization Act of 1986 (SARA):

Section 302 Extremely Hazardous Substances: None

Section 311/312 Hazard Categories: None

Section 313 Information: None

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA): None

California Proposition 65: This product may contain trace amounts of a chemical (toluene) known to the State of California to cause reproductive effects.

Section 16 - Other Information

Disclaimer of Liability: The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability or damages incurred by the use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards, which exist. Final determinant of suitability of this material is the sole responsibility of the user. No representation or warranties, either expressed or implied, or MERCHANTABILITY, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the material to which the information refers. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.

Warranty and Limited Remedy

This instructional bulletin describes a technique. The information contained herein is believed to be reliable, but Avery Dennison makes no warranties, express or implied, including but not limited to any implied warranty of merchantability or fitness for a particular purpose. To the extent allowed by law, Avery Dennison shall not be liable for any loss or damages, whether direct, indirect, special, incidental or consequential, in any way related to the technique of making a graphic regardless of the legal theory asserted.

The above information provides basic information on how to apply pressure-sensitive graphics. The instructions are designed to help ensure success across a broad range of applications. Depending on the size and complexity of applications, a certain amount of expertise is needed.

Professional applicators can be hired to ensure proper application of finished graphics. When mounting graphics in remote geographic areas, professional applicators can offer the added benefit of local service.

Avery Dennison has a vast network of Certified Installers who have been specially trained and certified in accordance with our recommended techniques.

You can review the Certified Installer list here: [Find a Graphics Installer](#)

Consider hiring a professional whenever the application requires:

- Multiple panels to be registered
- Complex surfaces, such as rivet and corrugated trucks
- Harsh environmental conditions (i.e. outdoor applications in high heat climates)
- Remote geographic locations

For further information, contact your local Avery Dennison representative.

