



## Material Safety Data Sheet

Revision Date: July 1, 2012

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### I. Product and Company Information

Product Name: **Flexible Polyvinyl Chloride**  
(film, sheet, and compound)

Common Name: PVC film, vinyl

Chemical Formula:  $(C_2H_3Cl)_n$

Manufacturer's Name and Address: **Achilles USA, Inc.**  
1407 80<sup>th</sup> Street SW  
Everett, WA. 98203  
[www.achillesusa.com](http://www.achillesusa.com)

Telephone: (425) 353 7000

Fax: (425) 347 5785

### II. Composition / Information on Ingredients

Compounded polyvinyl chloride is a fused compound of many ingredients. Hazardous ingredients, if present, remain encapsulated in the PVC film under conditions of normal use. See Section VI for Health Hazard Data. **Typical** compositions are listed below:

Components	Wt. %	Remarks
Polyvinyl Chloride Resin	45 – 80	CAS No. 9002 – 86 – 2
Plasticizers	0 – 60	High molecular esters
Inert Fillers	0 – 40	CaCO <sub>3</sub> , talc, clay, etc.
Colorants	0 – 5	Organic and inorganic pigments
Heat Stabilizers	3 – 10	Organometallic compounds of barium and/or calcium-zinc

### III. Physical and chemical Characteristics

Appearance: Films of varying size, hardness, and color

Odor: Mild

Boiling Point: Not applicable (solid)

Melting Point: Not applicable

Solubility in Water: None

Specific Gravity (Water = 1): 1.15 – 1.60



Vapor Pressure: Not applicable

Evaporation Rate: Not applicable

#### IV. Fire and Explosion Hazard

Flash Point: Not applicable

Flammable Limits: Not applicable

Extinguishing Media: Water, dry chemicals

Special Fire Fighting Procedures: Wear full bunker gear including a positive pressure self-contained breathing apparatus.

Unusual Fire and Explosion Hazard: PVC evolves hydrogen chloride, carbon monoxide, and other gases when burned. Exposure to combustion products may be fatal and should be avoided.

#### V. Reactivity Data

Stability: Stable under normal conditions

Hazardous Polymerization: Will not occur

Incompatibility (Material to avoid): None

#### VI. Health Hazard Data

This material is supplied in roll form. As such, it does not pose any physical or health hazards under normal use. **Material is not intended for use in burning applications.**

##### Route(s) of Entry

Inhalation: Not applicable

Skin contact: Not applicable

Ingestion: Not applicable

Health Hazard (Acute and Chronic): None

Medical conditions Generally Aggravated by Exposure: None

Emergency and First Aid Procedures: Not applicable

Effect of Overexposure: The material poses no known health hazards at ambient temperatures.



## VII. Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:

Not applicable

Waste Disposal Method:

Landfill or other approved disposal method in accordance with any applicable regulations under Resource Conservation and Recovery Act.

Other Precautions:

None

## VIII. Control Measures

Respiratory Protection:

None Required

Ventilation:

General ventilation should be sufficient to control odors. Good mechanical ventilation is needed when material is heated.

Protective Gloves:

Use when material is heated.

Eye Protection:

Recommended for all industrial workplaces.

Other Protective Clothing or Equipment:

None required.

## IX. Regulatory Information

The hazardous components identified in Section II are bound within the PVC matrix of this product and are not expected to be released under normal conditions. These products are considered to be finished articles as per (29CFR1910.1200(c)) and therefore exempt from the requirements of this standard.

## X. Other Information

The information and recommendations contained in this Material Safety Data Sheet have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared.

No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental and regulatory compliance under any international, federal or state laws.