



## SAFETY DATA SHEET

### FLEXIBLE POLYVINYL CHLORIDE

Revision Date: October 18, 2016

#### 1. IDENTIFICATION

<b><u>Product Identifier/Product Name</u></b>	<b>Flexible Polyvinyl Chloride</b> (film and sheet)
<b><u>Common Name/Other Means of Identification</u></b>	PVC film, vinyl
<b><u>Chemical Formula</u></b>	(C <sub>2</sub> H <sub>3</sub> Cl) <sub>n</sub>
<b><u>Recommended, Normal Use/Restrictions on Use</u></b>	Use of this product under conditions of high heat or burning applications is not an intended use and is not considered a condition of normal use.
<b><u>Manufacturer's Name, Address and Phone Number</u></b>	<b>Achilles USA, Inc.</b> 1407 80th Street SW Everett, WA. 98203 www.achillesusa.com (425) 353-7000
<b><u>Emergency Phone Number: CHEMTREC</u></b>	1-800-424-9300

#### 2. HAZARD(S) IDENTIFICATION

##### **GHS Classification**

Polyvinyl chloride film is supplied in rolled form. Raw ingredients used in the manufacture of this product that may be considered hazardous remain encapsulated in the PVC film under conditions of normal use. This product is not considered to pose physical or health hazards under conditions of normal use based on evaluations by our company and is therefore not classified as hazardous and is exempt as an "article" under the Occupational Safety and Health Administration's Hazard Communication Standard, 29 C.F.R. § 1910.1200, and under the Washington State Department of Labor & Industries' Hazard Communication Standard, Wash. Admin. Code § 296-901.

<b><u>Signal Word(s)</u></b>	Not applicable under conditions of normal use.
<b><u>Hazard Statement(s)/Symbol(s)</u></b>	Not applicable under conditions of normal use.



<b><u>Precautionary Statement(s)</u></b>	Not applicable under conditions of normal use.
<b><u>Hazards Not Otherwise Classified (HNOC)</u></b>	Not applicable under conditions of normal use.
<b><u>Ingredients of Unknown Acute Toxicity</u></b>	Not applicable under conditions of normal use.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Polyvinyl chloride film is a fused compound of many ingredients. Typical compositions are listed below.

Identities and concentrations of specific chemicals have been withheld as a trade secret.

<b>Component/Chemical Name</b>	<b>Wt. %</b>	<b>Common Name/Synonyms, CAS No.</b>
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

### 4. FIRST-AID MEASURES

<b><u>Description of First Aid Measures</u></b>	Not applicable under conditions of normal use.
<b><u>Inhalation</u></b>	Not applicable under conditions of normal use.
<b><u>Skin and Eye Contact</u></b>	Not applicable under conditions of normal use.
<b><u>Ingestion</u></b>	Not applicable under conditions of normal use.
<b><u>Most Important Symptoms and Effects, Both Acute and Delayed</u></b>	Not applicable under conditions of normal use.
<b><u>Indication of any Immediate Medical Attention and Special Treatment Needs</u></b>	Not applicable under conditions of normal use.

### 5. FIRE-FIGHTING MEASURES

<b><u>Suitable (and Unsuitable) Extinguishing Media</u></b>	Water, dry chemicals.
<b><u>Specific Hazards Arising From the Chemical</u></b>	In the event of fire, decomposition and combustion gases such as hydrogen chloride and carbon monoxide could be emitted. Exposure to combustion products may be fatal and should be avoided.



**Special Protective Equipment and Precautions for Firefighters**

Wear full bunker gear including a positive pressure self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment and Emergency Procedures**

None required under conditions of normal use.

**Methods and Materials for Containment and Cleaning up**

Not applicable under conditions of normal use.

**7. HANDLING AND STORAGE**

**Precautions for Safe Handling**

Use safe handling practices to avoid injury. This product is not intended to be used under high heat or in burning applications.

**Conditions for Safe Storage, including Incompatibilities**

Store away from heat. Not intended to be used under high heat or in burning applications.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Limits**

Not applicable under conditions of normal use.

**Appropriate Engineering Controls**

General ventilation should be sufficient to control odors. Mechanical ventilation may be necessary if product is heated or if used under conditions other than normal use such as burning or high heat.

**Individual Protection Measures, Personal Protective Equipment**

Use Protective gloves if product is used under conditions other than normal use such as burning or high heat.

Eye protection recommended.

**9: PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

Films of varying size, hardness, and color.

**Odor**

Mild.

**Odor Threshold**

Not applicable.

**pH**

No applicable information available.



<u>Melting point/Freezing Point</u>	Not applicable.
<u>Initial Boiling Point and Boiling Range</u>	Not applicable.
<u>Flash Point</u>	Not applicable.
<u>Evaporation Rate</u>	Not applicable.
<u>Flammability (solid, gas)</u>	Not applicable.
<u>Upper/Lower Flammability or Explosive Limits</u>	Not applicable.
<u>Vapor Pressure</u>	Not applicable.
<u>Vapor Density</u>	Not applicable.
<u>Relative Density</u>	No applicable information available.
<u>Solubility(ies)</u>	None.
<u>Partition Coefficient: n-octanol/water</u>	Not applicable.
<u>Auto-ignition Temperature</u>	Not applicable.
<u>Decomposition Temperature</u>	No applicable information available.
<u>Viscosity</u>	No applicable information available.
<b>10. STABILITY AND REACTIVITY</b>	
<u>Reactivity</u>	Not applicable.
<u>Chemical Stability</u>	Stable under conditions of normal use.
<u>Possibility of Hazardous Reactions</u>	Not applicable.
<u>Conditions to Avoid</u>	Burning/high heat.
<u>Incompatible Materials</u>	None.
<u>Hazardous Decomposition Products</u>	In the event of fire, decomposition and combustion gases such as hydrogen chloride and carbon monoxide could be emitted. Exposure to combustion products may be fatal and should be avoided.



## 11: TOXICOLOGICAL INFORMATION

Polyvinyl chloride film is a fused compound of many ingredients. It is supplied in rolled form. Raw ingredients used in the manufacture of this product that may be considered hazardous remain encapsulated in the PVC film under conditions of normal use. This product is not considered to pose physical or health hazards under conditions of normal use based on evaluations by our company and is therefore not classified as hazardous and is exempt as an “article” under the Occupational Safety and Health Administration’s Hazard Communication Standard, 29 C.F.R. § 1910.1200, and under the Washington State Department of Labor & Industries’ Hazard Communication Standard, Wash. Admin. Code § 296-901.

**Information on likely Routes of Exposure (Inhalation, Ingestion, Skin and Eye Contact)** Not applicable under conditions of normal use.

**Symptoms Related to Physical, Chemical and Toxicological Characteristics** Not applicable under conditions of normal use.

**Delayed and Immediate Effects, Chronic Effects from Short-and Long-term Exposure** Not applicable under conditions of normal use.

**Acute Toxicity Data** Not applicable under conditions of normal use.

**NTP Report on Carcinogens (latest edition), Potential Carcinogen under IARC Monographs (latest edition), or by OSHA** Not applicable under conditions of normal use.

## 12: ECOLOGICAL INFORMATION

Consult local, state, federal and international regulations for ecological requirements that may apply to this product.

## 13: DISPOSAL CONSIDERATIONS

Consult local, state, federal and international regulations for disposal requirements that may apply to this product.

## 14: TRANSPORT INFORMATION

Consult local, state, federal and international regulations for transport requirements that may apply to this product.

## 15: REGULATORY INFORMATION

Consult local, state, federal and international regulations for additional safety, health and environmental regulations that may apply to this product.



This product may contain chemicals known to the State of California to cause cancer, or birth defects or other reproductive harm under California's "Proposition 65" law, Cal. Health & Safety Code, §§ 25249.5-.13. Consult California law for compliance with Proposition 65 requirements and also for warnings that may be required on final products. Contact Achilles if you require information regarding Proposition 65 compliance.

This product is considered an "article" in accordance with EU Regulation EC No. 1907/2006, Registration, Evaluation, Authorization and Restriction of Chemicals (REACH). Contact Achilles if you require information regarding identities and concentrations of specific chemicals that may be subject to regulation under REACH.

## **16: Other Information**

This Safety Data Sheet is provided pursuant to customer requests even though our company has determined that this product is not classified as hazardous and is exempt as an "article" under conditions of normal use under the Occupational Safety and Health Administration's Hazard Communication Standard, 29 C.F.R. § 1910.1200, and under the Washington State Department of Labor & Industries' Hazard Communication Standard, Wash. Admin. Code § 296-901.

This information is provided without express or implied warranties or representations, except that it is accurate to the best of our knowledge based on current scientific evidence.

Revised on October 18, 2016.