



## Safety Data Sheet ARMOR POLY VCI Film

### 1. IDENTIFICATION

**Product Identifier****Product Name** ARMOR POLY VCI FILM (Mono, Co-Extruded, Foundry, ES, HD & Stretch Films)**Other means of identification****SDS #** APPAC-020AFILM  
**Product Code** ARMOR POLY VCI FILM**Recommended use of the chemical and restrictions on use****Recommended Use** Corrosion Resistant Plastic Packaging Material for Ferrous and Non-Ferrous Metals.**Details of the supplier of the safety data sheet****Supplier Address**Armor Protective Packaging  
1551 North Burkhart Rd  
Howell, MI 48855**Emergency Telephone Number****Company Phone Number** Phone: 1-517-546-1117  
Fax: 1-517-546-6434  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

### 2. HAZARDS IDENTIFICATION

**Appearance:** Clear or colored film (Sheets or bags) **Physical state:** Solid **Odor:** Bland  
**Pure substance/mixture:** Mixture**Classification**

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance**

Chemical	CAS Number	Percent
Proprietary	Proprietary	90.0 - 99.0

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST-AID MEASURES

**Description of First Aid Measures****Eye Contact** Rinse thoroughly with plenty of water. Consult a physician if irritation persists.



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<b>Skin Contact</b>	Wash skin thoroughly with soap and water before eating or touching eyes; seek medical attention if rash occurs.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Seek medical attention if a large amount was swallowed.
<b><u>Most important symptoms and effects both acute and delayed</u></b>	
<b>Symptoms</b>	May cause skin or eye irritation.
<b><u>Indication of any immediate medical attention and special treatment needed</u></b>	
<b>Notes to Physician</b>	Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

### Unsuitable Extinguishing Media

Do not scatter material with high pressure water streams.

### Specific Hazards Arising from the Chemical

Not determined

### Protective equipment and precautions for firefighters

Firefighters should wear self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Use personal protective equipment as required.

### Other information

Refer to protective measures listed in Sections 7 and 8.

### Environmental precautions

See Section 12 for additional Ecological Information.

### Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

### **Methods for Clean-Up**

Pick up and transfer to suitable, properly labeled closed containers for disposal.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### **Advice on Safe Handling**

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Do not eat, drink or smoke when using this product.

#### International HQ

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Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible Materials** Avoid open flames, Strong oxidizing agents, Strong acids, Strong caustics.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the regional specific regulatory bodies

Appropriate engineering controls

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Wear safety glasses with side shields.

**Skin and Body Protection** Avoid prolonged/repeated contact with skin when handling films. When heat processing wear gloves, long pants, and long sleeves.

**Respiratory Protection** When heat processing fumes are not adequately controlled, use a respirator approved for protection from organic vapors and glasses with side shields.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Information on basic physical and chemical properties

<b>Physical state</b>	Solid	<b>Odor</b>	Bland
<b>Appearance</b>	Film (Sheets or bags)	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Clear or colored film		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not determined	
Melting Point/Freezing Point	103-115 °C / 219-239 °F	
Boiling Point/Boiling Range	Not determined	
Flash Point	Not determined	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Not determined	
Flammability Limits in Air		
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Relative Density	0.985 ± 0.05 g/cc	
Water Solubility	Not determined	
Solubility in other solvents	Not determined	



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Partition Coefficient	Not determined
Auto-ignition Temperature	340 °C / 645 °F
Decomposition Temperature	Not determined
Kinematic Viscosity	N/A
Dynamic Viscosity	N/A
Explosive Properties	Not determined
Oxidizing Properties	Not determined
<u>Other Information</u>	
VOC Content	Not determined

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to Avoid

Incompatible Materials.

### Incompatible Materials

Strong oxidizing agents, Strong acids, Strong caustics.

### Hazardous Decomposition Products

Hazardous decomposition products forms under fire conditions - Carbon oxides, Sodium Oxides, carbon monoxide and dioxide.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Product Information</b>	Specific test data for the substance or mixture is not available.
<b>Eye Contact</b>	Not a like route of exposure. Avoid touching eyes after handling.
<b>Skin Contact</b>	Not a like route of exposure. Wash skin thoroughly with soap and water.
<b>Inhalation</b>	When heat processing fumes are not adequately controlled, use a respirator approved for protection from organic vapors and glasses with side shields.
<b>Ingestion</b>	Not a like route of exposure. Do not ingest.
<b><u>Information on physical, chemical and toxicological effects</u></b>	



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**Symptoms** Please see section 4 of this SDS for symptoms.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Carcinogenicity** Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral)	3,961.87 mg/kg
ATEmix (dermal)	1,036,484.25 mg/kg
ATEmix (inhalation-dust/mist)	1,688.72 mg/L

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### Persistence/Degradability

Not determined.

### Bioaccumulation

Not determined.

### Other Adverse Effects

Not determined

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

#### **Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### **Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

## 15. REGULATORY INFORMATION

### International HQ

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**International Inventories**

Chemical Name	TSCA	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Proprietary	X	X		Present	X	Present	X	X
Proprietary	X	X	X	Present	X	Present	X	X
Proprietary	X	X	X	Present	X			X
Proprietary	X	X	X	Present	X	Present	X	X
Proprietary	X	X	X	Present	X	Present	X	X
Proprietary	X	X	X	Present	X	Present	X	X

**Legend:**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
- ENCS - Japan Existing and New Chemical Substances*
- IECSC - China Inventory of Existing Chemical Substances*
- KECL - Korean Existing and Evaluated Chemical Substances*
- PICCS - Philippines Inventory of Chemicals and Chemical Substances*
- AICS - Australian Inventory of Chemical Substances*

**US Federal Regulations**

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Proprietary	X	X	X
Proprietary		X	

**16. OTHER INFORMATION**

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**NFPA**

**Health Hazards**

1

**Flammability**

1

**Reactivity**

0

**HMIS**

**Health Hazards**

1

**Flammability**

1

**Physical Hazards**

0

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**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

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