 <p><b>BI-AX</b> INTERNATIONAL INC. ISO 9001:2015</p>	Document Name:	Evlon® Film Safety Data Sheet
	Revision Number:	2
	Effective Date:	August 28, 2018

## 1. Identification

EVLON® PLA FILM is a registered trademark of BI-AX International Inc.

### Trade Names and Synonyms

EVLON® PLA FILM

This SDS covers all clear and pigmented EVLON® Polylactide Film.

### Company Identification

#### MANUFACTURER/DISTRIBUTOR

BI-AX International Inc.  
596 Cedar Ave.  
Wingham, ON CANADA  
N0G 2W0

Product Information:	(519) 357-1818	Telephone
	<a href="mailto:biax@biaxinc.com">biax@biaxinc.com</a>	E-Mail
	<a href="http://www.biaxinc.com">www.biaxinc.com</a>	Web Sites
	<a href="http://www.evlon.com">www.evlon.com</a>	

## 2. Components


<u>Material</u>		<u>CAS Number</u>	<u>%</u>
Polylactide Resin	Natureworks PLA	9051-89-2	90-100 WT%

### Components (Remarks)

The pigmented Evlon films contain less than 0.1% of a stable pigment containing no toxic heavy metal compounds.

## 3. Physical Properties

Melting Point	:	150°C (302°F)
% Volatiles	:	NA WT%
Solubility in Water	:	Insoluble
Odor	:	None
Form	:	Film
Color	:	Clear
Specific Gravity	:	1.25

 <b>BI-AX</b> INTERNATIONAL INC. <hr/> ISO 9001:2015	Document Name:	Evlon® Film Safety Data Sheet
	Revision Number:	2
	Effective Date:	August 28, 2018
		Page 2 of 4

## 4. Hazardous Reactivity

### Incompatibility with Other Materials

None reasonably foreseeable.

### Decomposition

Decomposition temperature : 250C (482F)

Hazardous gases/vapours produced are CO, CO<sub>2</sub>, and aldehydes.

### Polymerization

Polymerization will not occur.

### Other Hazards

The exact nature of the decomposition products will depend upon exposure conditions – temperature, access to oxygen, flaming and presence of other materials.

## 5. Explosion Hazard and Fire Data

### Flammable Properties

#### UNUSUAL FIRE, EXPLOSION HAZARDS

The solid polymer can be combusted only with difficulty. An electrostatic charge can potentially build up when processing film through film handling equipment and guide rolls. Grounding of the equipment is recommended.

#### HAZARDOUS COMBUSTION PRODUCTS

Combustible. Hazardous gases/vapours produced in fire are carbon monoxide, carbon dioxide and aldehydes.

### Extinguishing Media

Water, Foam, Dry Chemical and CO<sub>2</sub>.



Document Name: Evlon® Film Safety Data Sheet  
Revision Number: 2  
Effective Date: August 28, 2018

Page 3 of 4

## 6. Health Hazard

**Ingestion**  
**Inhalation**  
**Eye, Skin, Ear**  
**Chronic Effects**

*Non-Toxic*  
*Film is non-respirable and non-toxic*  
*Non-Toxic*  
*None known.*

### Medical Conditions

**Aggravated by Exposure**                      *None known.*

### Carcinogenicity Information

None of the components present in this material are at concentrations equal to or greater than 0.1% are listed by IARC, OSHA or ACGIH as a carcinogen.

## 7. Precautions for Safe Handling and Storage

### *Safeguards (Personnel)*

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.


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

Not Applicable

The data in this Safety Data Sheet are related only to the specific material designated herein and do not relate to its use in combination with any other material or in any process. Information given is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control. All risks of the product are therefore assumed by the user.

## 8. Emergency and First Aid

Inhalation –                      None.  
Skin Contact –                      Not expected to produce any effects.  
Eye Contact –                      Not expected to occur. If irritation occurs, get medical attention.  
Ingestion –                      Seek medical attention.

 <b>BI-AX</b> INTERNATIONAL INC. <hr/> ISO 9001:2015	Document Name:	Evlon® Film Safety Data Sheet
	Revision Number:	2
	Effective Date:	August 28, 2018
		Page 4 of 4

## 9. Special Protection Information

### Exposure Guidelines

#### Applicable Exposure Limits

AEL \* (BI-AX) : Non Established

\*AEL is BI-AX's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits, which are lower than the AEL are in effect, such limits shall take precedence.

## 10. Disposal Information

### Waste Disposal

Landfill or incineration is in compliance with applicable regulations.

### Spill/Release

See Fire Fighting Procedures. Remove film to prevent any slipping hazards.

## 11. Recommended Storage Conditions

### Chemical Stability

Stable at normal temperatures and storage conditions.

Observe all applicable regulations when storing this substance. Film should not be exposed to high humidity and storage temperatures should not exceed 50°C. Film should be allowed to reach ambient temperatures before use.

Avoid direct sunlight, avoid high temperatures, store on lower rack, handle with care.

Film is compostable in proper industrial conditions.

## 12. Transportation Information

If temperatures of greater than 50°C are expected "Refrigerated" Vans or Containers should be used.