	Document Name: <b>BI-AX EVLON Film Material Safety Data Sheet</b>
	Revision Number: 1
	Effective Date: February 19, 2014

## EVLON® PLA FILM

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### SECTION I - CHEMICAL PRODUCT/COMPANY IDENTIFICATION

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#### Material Identification

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

CAS Name

#### Trade Names and Synonyms

EVLON® PLA FILM

#### *Trade Names and Synonyms (Remarks)*

The MSDS covers all the pigmented EVLON® PLA FILMS.

#### Company Identification

#### MANUFACTURER/DISTRIBUTOR

BI-AX International Inc.  
3 Farrell Drive  
Tiverton, ON N0G 2T0

Product Information:	(519) 368-7015	Telephone
	(519) 368-7017	Fax
	<a href="mailto:biax@Biaxinc.com">biax@Biaxinc.com</a>	E-Mail
	<a href="http://www.biaxinc.com">www.biaxinc.com</a>	Web Site

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### SECTION II - COMPOSITION/INFORMATION OF INGREDIENTS

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#### Components

<u>Material</u>		<u>CAS Number</u>	<u>%</u>
Poly lactide 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.


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### SECTION III - HAZARDS IDENTIFICATION

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#### 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.

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#### SECTION IV - FIRST AID MEASURES

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

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#### SECTION V - FIRE FIGHTING MEASURES

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##### 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, CO2.

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#### SECTION VI - ACCIDENTAL RELEASE MEASURES

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##### *Safeguards (Personnel)*

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

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

Not Applicable

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#### SECTION VII - HANDLING AND STORAGE

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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.

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#### SECTION VIII - EXPOSURE CONTROLS/PERSONAL

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##### Exposure Guidelines

Applicable Exposure Limits

AEI \* (BI-AX) : Non Established

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\*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.

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## SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

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### Physical Data

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

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## SECTION X - STABILITY AND CHEMICAL PROPERTIES

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### Chemical Stability

Stable at normal temperatures and storage conditions.

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## SECTION XI - STABILITY AND CHEMICAL PROPERTIES

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### 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.

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## SECTION XII - TOXICOLOGICAL INFORMATION

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**Ingestion** *Non-Toxic*

**Inhalation** *Film is non-respirable and non-toxic*

**Eye, Skin, Ear** *Non-Toxic*

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**Chronic Effects** *None known.*

**Medical Conditions Aggravated by Exposure** *None known.*

**Carcinogenicity** *None of the components used in these products are listed as a carcinogen.*

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**SECTION X11 - ECOLOGICAL INFORMATION**

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Film is compostable in proper industrial conditions.

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**SECTION XIV - DISPOSAL CONSIDERATIONS**

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**Waste Disposal**

Landfill or incineration is in compliance with applicable regulations.

**Spill/Release**

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

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**SECTION XV - TRANSPORTATION INFORMATION**

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Not classified as hazardous under transportation regulations.

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**SECTION XVI - REGULATORY INFORMATION**

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**Canadian Regulations**

This product is not WHMIS controlled.

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**SECTION XVII - OTHER INFORMATION**

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The data in this Material Safety Data Sheet related only to the specific material designated herein and does not relate to 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.