

**MELINEX® 516**

Revision Date: 3/31/2015

Print Date: 5/28/2019

This AIS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name	:	MELINEX® 516
Tradename/Synonym	:	(formerly MSDS# POLY0008)
Manufacturer	:	DuPont Teijin Films U.S. Limited Partnership 3600 Discovery Drive Chester, VA 23836 United States of America
Product Information	:	1-800-635-4639 (outside the U.S. 1-804-530-9782)
Medical Emergency	:	1-800-441-3637 (outside the U.S. 1-302-774-1139)
Transport Emergency	:	CHEMTREC: 1-800-424-9300 (outside the U.S. 1-703-527-3887)
Other information	:	OSHA Hazard Communication Standard (29 CFR 1910.1200) requirements for Material Safety Data Sheets do not apply to this product. This product is excluded as an article. Information on potential hazards associated with product fabrication and/or installation are discussed in this datasheet.

**SECTION 2. HAZARDS IDENTIFICATION**

## Emergency Overview

This product has no known adverse effect on human health. Additives in this product do not present a respiration hazard unless the product is ground to a powder of respirable size and the dust is inhaled. All dusts are potentially injurious to the respiratory tract if respirable particles are generated and inhaled.

High temperature operations can produce fumes or vapors of decomposition products of the polyethylene terephthalate polymer. The type and quantity of the fumes or vapors will vary based on temperature, time and other variables. These fumes or vapors may cause eye, nose, throat or respiratory irritation, or other effects such as headache.

## Potential Health Effects

## Carcinogenicity

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

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Polyester film

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**SECTION 4. FIRST AID MEASURES**

- Skin contact : No hazards which require special first aid measures.
- Eye contact : Is not considered a potential route of exposure.
- Inhalation : Is not considered a potential route of exposure.
- Ingestion : Is not considered a potential route of exposure.

**SECTION 5. FIRE-FIGHTING MEASURES**

- Fire and Explosion Hazard : Difficult to ignite, and flame goes out when initiating source is removed.  
Metallized films may support combustion if ignited.  
Under conditions giving incomplete combustion, hazardous gases produced may consist of: Carbon dioxide (CO<sub>2</sub>) Carbon monoxide  
May include trace amounts of: Aldehydes Alcohols
- Suitable extinguishing media : Water, Carbon dioxide (CO<sub>2</sub>), Foam, Dry chemical

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

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

- Safeguards (Personnel) : No special precautions required.
- Spill Cleanup : Sweep up and shovel into suitable containers for disposal.
- Accidental Release Measures : No special environmental precautions required.

**SECTION 7. HANDLING AND STORAGE**

- Handling (Personnel) : Thick films have sharp edges which can cause cuts. Take precautionary measures against static discharges. Avoid breathing dust.
- Storage : Keep in a dry place. Store at room temperature.

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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Engineering controls : Provide appropriate exhaust ventilation at places where dust is formed.

## Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection : Material: Leather gloves

Eye protection : Safety glasses

## Exposure Guidelines

## Exposure Limit Values

Dust (inhalable and respirable fraction)

PEL:	(OSHA)	5 mg/m3	8 hr. TWA	Respirable fraction.
		Remarks		All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by the Particulates Not Otherwise Regulated (PNOR) limit which is the same as the inert or nuisance dust limit of Table Z-3.
PEL:	(OSHA)	15 mg/m3	8 hr. TWA	Total dust.
TLV	(ACGIH)	10 mg/m3	TWA	Inhalable particles.
TLV	(ACGIH)	3 mg/m3	TWA	Respirable particles.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	: film
Color	: various
Odor	: odorless
	: 255 - 260 °C (491 - 500 °F)
Density	: 1.23 - 1.41 g/cm3
Water solubility	: insoluble
Limiting oxygen index	: 21 % ASTM D 2863

**SECTION 10. STABILITY AND REACTIVITY**

Conditions to avoid : Temperature &gt; 235 °C (&gt; 455 °F)

Hazardous decomposition products : Hazardous decomposition products Carbon monoxide, Organic acids, Aldehydes, Alcohols, Esters

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Hazardous reactions : None reasonably foreseeable.

**SECTION 11. TOXICOLOGICAL INFORMATION**

This product has no known adverse effect on human health.

**SECTION 12. ECOLOGICAL INFORMATION**

This product has no known eco-toxicological effects.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Waste Disposal : Dispose of in accordance with local regulations. Where possible recycling is preferred to disposal or incineration.

**SECTION 14. TRANSPORT INFORMATION**

Not classified as dangerous in the meaning of transport regulations.

**SECTION 15. REGULATORY INFORMATION**

TSCA Status : Product is an article as defined at 40CFR720.3(c) and is not subject to TSCA Inventory requirements.

CONEG : All MYLAR® products are compliant with CONEG regulations; the sum of the concentrations of cadmium, chromium, lead, and mercury does not exceed 100 ppm. None of these metals is used as an ingredient or processing aid.

CLEAN AIR ACT STATUS : This product does not contain, and is not manufactured with ozone depleting chemicals as defined in 58 FR 8136, February 11, 1993 (final rule).

**SECTION 16. OTHER INFORMATION**

Restrictions for use : Do not use DuPont Teijin Films materials in medical applications involving implantation in the human body or contact with internal body fluids or tissues unless the material has been provided from DuPont Teijin Films under a written contract that is consistent with DuPont Teijin Films policy regarding medical applications and expressly acknowledges the contemplated use. For further information, please contact your DuPont

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Teijin Films representative. You may also request a copy of the DuPont Teijin Films POLICY Regarding Medical Applications H-50103-4-DTF and DuPont Teijin Films CAUTION Regarding Medical Applications H-50102-4-DTF.

Before use also read the following bulletin(s):

PET FILMS - Safety in Handling and Use.

Only DuPont Teijin Films manufactures MYLAR® brand, MELINEX® brand, Teijin® TETORON® brand and TEONEX® brand films.

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