



The SDS format adheres to the standards and regulatory requirements of the United States and may not meet regulatory requirements in other countries.

Bioclear Matrix Systems
Safety Data Sheet – Matrices with Colored Tabs

“MELINEX” POLYESTER FILM

Revised 24-MAR-2021

POLY0008

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Material Identification

Melinex is a registered trademark of DuPont Teijin Films.

Product Use

OSHA Hazard Communication Standard (29 CFR 1910.1200) requirements for Safety Data Sheets do not apply to the product described in this information sheet. This product is excluded as an article.

Uses include Packaging, Industrial, Storage & Display.

Company Identification

MANUFACTURER/DISTRIBUTOR

Bioclear Matrix Systems
By Dr David Clark
3802 South Warner Street, Suite A
Tacoma, WA 98409
USA

PHONE NUMBERS

Product Information	1-855-712-5327)
Transport Emergency	CHEMTREC: 1-800-424-9300





COMPOSITION/INFORMATION ON INGREDIENTS

Body Ingredients

"Melinex" Polyester Film is made from a base film of:

Polyethylene Terephthalate:	CAS Number:	%:
	25038-59-9	80-100

Various fillers or additives may be used to modify the physical appearance and/or surface properties of the various film types may be present. Concentrations of the following may range from 1-20%:

MAY contain the following fillers:	CAS Number	%
Barium Sulfate	7727-43-7	<20%
Poly(Ethylene/Vinyl Acetate		<10%
Acrylic Polymer		<5%
Polypropylene	9003-07-0	<5%
Polyvinyl Alcohol	9002-89-5	<5%
Silica	7631-86-9	<1%
Silicone		<1%
Aluminum	7429-90-5	<1%

Note: Material is not known to contain Toxic Chemicals under Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

The information presented in the subsequent sections of this information sheet is representative of all "Melinex" polyester film products, including those with/without fillers and those with/without coextrusion layers.





Colored-tip Ingredients

Ingredient Name	Content (Range by Percentage)	CAS Number
2-butoxyethyl acetate	20 - 25%	112-07-2
Bisphenol A/Epichlorhydrin Based Epoxy Resin	10 - 20%	25068-38-6
Cyclohexanone	5 - 10%	108-94-1
Hydrocarbons, C10, aromatics, naphthalene <1%	2.5 - 5%	
xylene	2.5 - 5%	1330-20-7
Toluene diisocyanate, oligomeric reaction products with 2,2'-oxydiethanol and propylidenetriethanol	8 - 12 %	53317-61-6
n-butyl acetate	3 - 8 %	123-86-4

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

HAZARDS IDENTIFICATION Emergency overview

No known health hazards.

Appearance: Solid film





Odor: Odorless

Read the entire SDS for a more thorough evaluation of the hazards.

Potential Health Effects

Decomposition products caused by overheating polyethylene terephthalate may cause skin, eye or respiratory irritation.

Molten polymer can cause thermal burns.

All ingredients are fully incorporated into the product. Exposure to fillers encapsulated in the film polymer is not likely during normal use.

Carcinogenicity Information: N/A – no known carcinogens present

FIRST AID MEASURES

First Aid

INHALATION

No specific intervention is indicated as the compound is not likely to be hazardous by inhalation.

However, if exposed to fumes from overheating or combustion, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician if necessary.

SKIN CONTACT

No known skin hazards at room temperature in solid form.

If molten material gets on skin, cool rapidly with cold water. Do not attempt to remove material from skin. Obtain medical treatment for thermal burn.

EYE CONTACT

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.





INGESTION

Ingestion is not an expected route of exposure during normal use of the product. If ingested, consult a physician immediately.

Notes to Physicians

Prolonged eye irritation may occur from pieces of debris sticking to the eyeball or eyelids.

FIRE FIGHTING MEASURES Flammable Properties

Films can be combusted only by remaining in contact with flame. If flame source is stationary, the film will shrink away and self-extinguish. Film remaining in contact with flame can continue to burn slowly, dropping flaming liquid which can spread the fire.

Irritating fumes may be evolved at decomposition temperatures.

During processing, films may pick up a strong static charge. Avoid discharge onto dust or solvent laden air as a flash fire or explosion may result.

Extinguishing Media

Use media appropriate for surrounding material. Fire Fighting Instructions

Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus. Wear full protective equipment.

ACCIDENTAL RELEASE MEASURES Safeguards (Personnel)

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

Spill Clean Up

Films and film scraps can create a slipping hazard. Collect product for recovery or disposal.

HANDLING AND STORAGE Handling (Personnel)

Avoid skin contact with sharp film edges. Handling (Physical Aspects)





Storage

Store away from heat and sources of ignition. Do not store in direct sunlight. Avoid prolonged storage in high or low temperatures. Recommended storage temperatures are 20 F (-7 C) to 100F (38 C).

EXPOSURE CONTROLS/PERSONAL PROTECTION Engineering Controls

General exhaust is unlikely to occur during normal use. If overheating (melting) occurs, remove fumes released by decomposition with local exhaust.

Personal Protective Equipment

EYE/FACE PROTECTION

Wear safety glasses.

RESPIRATORY PROTECTION

Respirators are not needed for normal use.

PROTECTIVE CLOTHING

If there is potential for contact with hot/molten material, wear heat resistant impervious clothing and footwear.

Special protective clothing is not needed for normal use. Gloves are recommended as good industrial practice.

PHYSICAL AND CHEMICAL PROPERTIES Physical Data

Form	Film.
Color	Colorless except for a colored tab and text.
Melting Point	-500 F (-260 C)
Solubility in Water	Insoluble
Specific Gravity	1.2-1.38





Vapor Pressure	Negligible@ 20 C (68 F)
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STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions. Incompatibility with Other Materials None reasonably foreseeable.

Decomposition

Decomposition temperature: >300 C (>572 F)

Decomposition products include carbon oxides, aldehydes, terephthalic acid.

Polymerization

Polymerization will not occur.

TOXICOLOGICAL INFORMATION Animal Data

Polyethylene Terephthalate

Oral ALD: > 10,000 mg/kg in rats

Polyethylene Terephthalate is not a skin irritant, but is a mild eye irritant.

ECOLOGICAL INFORMATION Ecotoxicological Information

No information is available. Toxicity is expected to be low since films are insoluble in water. Films are not biodegradable.

DISPOSAL CONSIDERATIONS Waste Disposal

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

TRANSPORTATION INFORMATION Shipping Information

DOT

Not Regulated.





REGULATORY INFORMATION U.S. Federal Regulations

TSCA Inventory Status: In compliance with TSCA Inventory requirements for commercial purposes.

SARA Regulations Sections 313 and 40 CFR 372: This product does not contain any chemicals subject to the reporting requirements of SARA.

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)

State Regulations (U.S.)

CONEG Status: All "Melinex" 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.

California Proposition 65 Status: This product does not contain substances that require a warning pursuant to Propositions 65.

OTHER INFORMATION

NFPA, NPCA-HMIS

NFPA Rating

Health: 1

Flammability: 1

Reactivity: 0

NPCA-HMIS Rating

Health: 0

Flammability: 1

Reactivity: 0





Additional Information

MEDICAL USE: CAUTION: Do not use in medical applications involving permanent implantation in the human body. For other medical applications see DuPont Teijin Films CAUTION Bulletin No. H-50102-1-DTF.

“Melinex” Polyester Film products are not manufactured with any ingredient of bovine origin.

The data in this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Polyester Films SDS Coordinator

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Wilmington, DE 19898

302-773-0904

Indicates updated section.

This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.

End of SDS

