

MATERIAL SAFETY DATA SHEET

Polyester film "Lumirror"; A53, F65, F7S, F7R, TA30, TA31, U50, U60, U65, U80, UF65, F53, FA6 Page 1 of 5
(Base SDS for Polyester film which is aluminized and crinkled to become insulation.)

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TORAY PLASTICS (AMERICA), INC.
50 BELVER AVENUE
NORTH KINGSTOWN, RI 02852
401.294.1550 ext. 4501

EMERGENCY CONTACT:
CHEMTREC- 1-800-424-9300

TRADE NAMES/SYNONYMS: Polyester film "Lumirror"; A53, F65, F7S, F7R, TA30, TA31, U50, U60, U65, U80, UF65, F53, FA6

/ POLYETHYLENE TEREPHTHALATE, POLY(OXY-1,2-ETHANEDIYLOXYCARBONYL-1,4-PHENYLENECARBONYL); POLY(OXYETHYLENEOXYTEREPHTHALOYL); ETHYLENE TEREPHTHALATE POLYMER; PET; POLY(ETHYLENE TEREPHTHALATE); TEREPHTHALIC ACID-ETHYLENE GLYCOL POLYESTER

CHEMICAL FAMILY: Polyester film

Under OSHA Hazard Communication Standard (29 CFR 1910.1200), this product is excluded as an article.

MSDS: R-018

CREATION DATE: 2/5/2008

REVISION DATE: 02/03/2011

SECTION 2 HAZARDS IDENTIFICATION

NFPA RATINGS (SCALE 0-4): HEALTH=1 FIRE=1 REACTIVITY=0

Hazards

No known health hazards at ambient temperatures.
Decomposition products caused by overheating may cause eye, skin or respiratory irritation
Molten material may cause thermal burns

Precautionary Measures

Avoid contact with eyes
Avoid contact with decomposition products
Do not get in contact with molten material

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SECTION 3 COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENTS:	CAS NUMBER	PERCENTAGE
POLYETHYLENE TEREPHTHALATE	25038-59-9	>99

SECTION 4 FIRST AID MEASURES

INHALATION:

If exposed to fumes from overheating or combustion remove to fresh air; if symptoms persist seek medical attention

SKIN CONTACT:

The materials are not known to be hazardous from skin contact. In case of skin contact with molten material cool rapidly with cold water. Do not attempt to peel polymer from skin rapidly. Seek medical attention for thermal burn.

EYE CONTACT:

If particles of film contact the eyes then wash immediately with large amounts of water, occasionally lifting upper and lower lids, until no evidence of particle remains (at least 15-20 minutes). Get medical attention as necessary.

INGESTION:

If swallowed seek medical attention. Refer to SECTION 11.

NOTES TO PHYSICIAN:

ANTIDOTE: No specific antidote. Treat symptomatically. In case of contact with molten material, treat for thermal burn.

SECTION 5 FIRE FIGHTING MEASURES

FLASH POINT: No data available

AUTOIGNITION TEMPERATURE: No data available

LOWER FLAMMABLE LIMIT: No data available

UPPER FLAMMABLE LIMIT: No data available

COMBUSTION: Thermal decomposition may release smoke and irritating fumes.

RECOMMENDED FIRE EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, water spray or regular foam

FIRE FIGHTING INSTRUCTION: Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus.

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SECTION 6 ACCIDENTAL RELEASE MEASURES

Follow applicable federal, state and local regulations.

SECTION 7 HANDLING AND STORAGE

HANDLING:

Follow general safety guidelines when handling rolls.

STORAGE:

Store under general warehouse conditions. Do not expose to extreme heat or cold.

SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE LIMITS: No occupational exposure limits established by OSHA.

VENTILATION: General exhaust is acceptable unless decomposition occurs during processing. Provide local exhaust ventilation if decomposition occurs.

STATIC CONTROL: Movement of film during processing or handling may generate static charge on the film. Recommended to consider processing or procedure which will dissipate or remove potential charge.

EYE PROTECTION: Avoid contact with eyes.

RESPIRATOR: Not normally required for normal processing.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

DESCRIPTION: Film

BOILING POINT: Not applicable

MELTING POINT: Approximately 250°C (482°F)

VAPOR PRESSURE: No data available

VAPOR DENSITY: Not applicable

SPECIFIC GRAVITY: Approximately 1.4

WATER SOLUBILITY: Insoluble

pH: Not applicable

ODOR THRESHOLD: No data available

EVAPORATION RATE: Not applicable

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SECTION 10 STABILITY AND REACTIVITY

REACTIVITY: Stable under normal temperatures and pressures.**CONDITIONS TO AVOID:** May burn but does not ignite readily. Avoid contact with strong oxidizers, strong acids, strong bases, excessive heat, sparks, or open flame.**INCOMPATIBILITIES:** Compound is incompatible with strong oxidizers, strong acids, strong bases, excessive heat, sparks or open flame**HAZARDOUS DECOMPOSITION:** Decomposes above 340°C (644°F)
Thermal decomposition may release irritating fumes.**POLYMERIZATION:** No data available

SECTION 11 TOXICOLOGICAL INFORMATION

INHALATION: No data available. Decomposition products may produce irritation**SKIN CONTACT:** No data available. Not expected to be a skin irritant.**SKIN ABSORPTION:** LD50: > 2000 mg/kg. (for PET). Low toxicity by this route**EYE CONTACT:** No data available. Decomposition products may produce irritation.**INGESTION:** LD50: > 2000 mg/kg. (for PET) Low toxicity by this route.**EFFECTS OF ACUTE OVEREXPOSURE:** None currently known**EFFECTS OF CHRONIC OVEREXPOSURE:** None currently known**MUTAGENICITY:** Not mutagenic**CARCINOGEN STATUS:** No known carcinogens above 0.1%.

SECTION 12 ECOLOGICAL INFORMATION

ACUTE AQUATIC TOXICITY: Toxicity is expected to be low, based on insolubility in water.**DEGRADABILITY:** No data available.**LOG BIOCONCENTRATION FACTOR (BCF):** No data available.**LOG OCTANOL/WATER PARTITION COEFFICIENT:** No data available.

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SECTION 13 DISPOSAL CONSIDERATION

Observe all federal, state and local regulations when disposing of this substance.

SECTION 14 TRANSPORT INFORMATION

Not regulated in transportation by DOT/IMO/IATA

SECTION 15 REGULATORY INFORMATION

TSCA INVENTORY (USA) STATUS:	Y (Chemical substances are either on the TSCA inventory or are exempt.)
CERCLA SECTION 103 (40CFR302.4):	N
SARA SECTION 302 (40CFR355.30):	N
SARA SECTION 304 (40CFR355.40):	N
SARA SECTION 313 (40CFR372.65):	N
OSHA PROCESS SAFETY (29CFR1910.119):	N
CALIFORNIA PROPOSITION 65:	N

SARA HAZARD CATEGORIES, SARA SECTIONS 311/312 (40 CFR 370.21)

ACUTE HAZARD:	N
CHRONIC HAZARD:	N
FIRE HAZARD:	N
REACTIVITY HAZARD:	N
SUDDEN RELEASE HAZARD:	N

EC CLASSIFICATION: Not classified as dangerous under EC criteria

SECTION 16 OTHER INFORMATION

• ADDITIONAL INFORMATION-

WE ACCEPT NO RESPONSIBILITY FOR RESULTS OBTAINED BY THE APPLICATION OF THIS INFORMATION OR THE SAFETY OR SUITABILITY OF OUR PRODUCTS. USERS ARE ADVISED TO MAKE THEIR OWN TESTS TO DETERMINE THE SAFETY AND SUITABILITY OF EACH SUCH PRODUCT OR PRODUCT COMBINATION FOR THEIR OWN PURPOSES.