

POLYESTER FILMS

MATERIAL SAFETY DATA SHEET

Date of preparation: May.08,2002

SECTION 1:CHEMICAL PRODUCT

1.1 Product Details

Product Name : TAIRILIN FILM
Trade Name : TAIRILIN FILM
Material Name : POLYETHYLENE TEREPHTHALATE FILM
Cas No : 2308-59-9(PET)
Chemical Formula : $\text{HO}(\text{CH}_2)_2\text{O}\{ \text{OC}-\langle \bigcirc \rangle-\text{COO}(\text{CH}_2)_2\}_n\text{OH}$
Molar Mass : 192
Chemical Family : POLYESTER CHIP,POLYESTER FILM

SECTION 2:COMPOSITION/INFORMATION ON INGREDIENT

Main ingredients: Polyethylene terephthalate

Fillers : SiO_2
Catalyst : Manganese compounds, Antimony compounds
Lithium compounds, Sodium compounds
Cobalt compounds
Stabilizer : Phosphoric acid

SECTION 3:PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Solid
Colour : Clear
Odour : Odourless
Solubility (in water) : Insoluble
Boiling Point : Not applicable
Melting Point($^{\circ}\text{C}$) : 255~260 $^{\circ}\text{C}$
Vapour Pressure(mm of Hg at 25 $^{\circ}\text{C}$) : Not applicable
Percentage Volatiles : Not applicable
Evaporation Rate : Not applicable
Vapour Density : Not applicable
Specific Gravity : 1.395~1.410
Flash point($^{\circ}\text{C}$) : 440

Autoignition temperature : None
Flammable limit(%)and other properties if applicable: Not applicable

SECTION 4:HAZARD IDENTIFICATION

Health hazard

Inhalation : Combustion products may be irritant.

Skin contact : No evidence of irritant effects

Ingestion : Not applicable

Long Term Exposure: This material has been in use for many years with no evidence of adverse effects.

SECTION 5:FIRST AID MEASURES

Ingestion : Unlikely to be required but,if necessary,treat symptomatically.

Eye contact : Irrigate with eyewash solution or clean water,holding the eyelids apart.

Inhalation : Remove patient from exposure

Notes to physician : Only normally needed for thermal burns and following inhalation of smoke from burning material. Treat in the same way as other thermal burns and wood smoke inhalation.

SECTION 6:FIRE FIGHTING MEASURES

Extinguishing media : Normal extinguishing media

Fire fighting instruction: Combustible but not readily ignited. Thin films(<23 micron) will shrink away from a heat source or flame. Persistent application of a flame will ignite the material. Burning is accompanied by melting and dripping which may cause the fire to spread. Combustion will evolve irritant vapours.

Special Hazards : At complete combustion,the major products formed are carbon dioxide and water. Some of the products of decomposition will also be present but at a concentration considerably less than carbon dioxide and water. During incomplete combustion a range of products will be formed but mainly carbon dioxide,water and carbon monoxide.

(Eg.Explosion properties and explosion hazards in the presence of various chemicals.)

SECTION 7:TOXICOLOGICAL INFORMATION

Toxicity Data : None
Carcinogenicity : None
Reproductive Effect : None
Effects of overexposure : None
Chronic effects : None
Target organs : None
Medical Conditions Generally Aggravated by exposure: None

SECTION 8:ECOLOGICAL INFORMATION

Mobility & : Will slowly degrade with exposure to UV light.
Bioaccumulation : No data available
Biodegradability : No data available
Aquatic toxicity : No data available

SECTION 9:REGULATORY INFORMATION

USER Not classified as hazardous to users
IATA TRANSPORT Not classified as hazardous for transport