

MATERIAL SAFETY DATA SHEET

Filmquest Group

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QUESTAR™ POLYESTER FILM

ALL GRADES

Identification

Product Name: QUESTAR™ Polyester Film

Chemical Name: Polyethylene terephthalate

Chemical Family: Polyester

CAS number: 25038-59-9

Department of Transportation information: **not** regulated as a hazardous material.

Physical-Chemical Data

Melting range: 255-260° C

Specific Gravity (Water=1): 1.4

Decomposition temp: 300° C

Appearance and odor: Clear film, odorless

Low levels of acetaldehyde are present in the film which could be released on heating at elevated temperatures for long time periods.

Hazardous Ingredients

None as defined under the OSHA hazard communication standard, 29CFR1910.1200 or S.A.R.A. Title III, Section 313. This material is considered an article under OSHA and TSCA standards.

Fire and Explosion Hazard Data

Flammability: The film will burn if exposed to flame.

Extinguishing media: Carbon dioxide water spray, foam or dry chemical.

Special fire-fighting procedures:

Wear self-contained breathing apparatus

and complete personal protective equipment when potential for exposure to products of combustion exists.

Unusual hazards: Emits acetaldehyde, carbon dioxide and carbon monoxide under fire conditions. The exact composition of decomposition products will depend on the conditions of combustion.

Special Hazard Designations

NFPA

Health: 0

Flammability: 1

Reactivity: 0

Reactivity Data

Chemical stability: Stable

Hazardous decomposition products: at 300° C and above, the main decomposition products are acetaldehyde, carbon dioxide and carbon monoxide.

Health Hazard Data

No adverse health effects have been attributed to polyester film. Permissible exposure limits for acetaldehyde.

OSHA Standard: 100 ppm

Effects of exposure:

Ingestion (swallowing): Non-toxic

Skin Contact: Non-irritating

Inhalation: N/A

Spill or Leak Procedures

Waste disposal method: QUESTAR™ polyester film is a non-hazardous solid waste material and is not regulated by the Resource Conservation Recovery Act. Dispose of or incinerate in accordance with local regulations.

Special Protection Information

Protective clothing: None required under normal conditions of use.

If the film could be subjected to conditions releasing acetaldehyde, then adequate ventilation should be used to stay below the TLV, or self contained breathing apparatus should be used.

Special Precautions

Precautions to be taken in handling: Unwinding, winding, and passage of polyethylene terephthalate film through and over rollers will tend to generate a strong electrostatic charge on the web. Static discharge devices should be properly positioned at such points to eliminate the charge and to prevent uncontrolled discharge from the web. This is particularly required in potentially explosive atmospheres and to protect personnel from the effects of a static discharge. Certain antistat grades are available.

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