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QUESTAR™ POLYESTER FILM
ALL GRADES

MATERIAL SAFETY DATA SHEET

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 equip-
ment 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 con-
ditions 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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