



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

DuPont  
Material Safety Data Sheet

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"KAPTON" POLYIMIDE FILM, K TYPES  
KAP00006 Revised 4-SEP-1996  
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CHEMICAL PRODUCT/COMPANY IDENTIFICATION  
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Material Identification

Kapton is a registered trademark of DuPont.

Corporate MSDS Number : DU005420

# Tradenames and Synonyms

"KAPTON" TAB-K  
"KAPTON" TAB-KN  
"KAPTON" FPC-K  
"KAPTON" FPC-KN  
"KAPTON" FPC-KNZT

Company Identification

MANUFACTURER/DISTRIBUTOR

DuPont  
"Kapton"/"Teflon" Customer Service  
P.O. Box 89  
Circleville, OH 43113

PHONE NUMBERS

Product Information : 1-800-237-4357  
Transport Emergency : 1-800-424-9300  
Medical Emergency : 1-800-441-3637

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COMPOSITION/INFORMATION ON INGREDIENTS  
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Components

Material	CAS Number	%
INERT POLYIMIDE FILM		100

Components (Remarks)

The specific identity of the polymer is withheld as a trade secret.

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HAZARDS IDENTIFICATION  
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## Potential Health Effects

Before using "Kapton" Polyimide Films, read the bulletin on safe handling and use.

## POTENTIAL HEALTH EFFECTS

INHALATION/INGESTION: Not probable routes of exposure for films.

SKIN CONTACT: In a skin irritation study, a Kapton K-type film was found to be not irritating in animals. However, skin irritation may occur in susceptible individuals when handling these films.

EYE CONTACT: Not a probable route of exposure for films.

## Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

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FIRST AID MEASURES  
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## First Aid

## INHALATION

Not a probable route of exposure for films.

## SKIN CONTACT

Wash with soap and water after handling. If skin irritation develops, consult a physician.

## EYE CONTACT

Flush eyes with water. Consult a physician if irritation persists.

## INGESTION

Not a probable route of exposure for films.

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FIRE FIGHTING MEASURES  
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## Flammable Properties

Not a fire or explosion hazard.

The flammability characteristic of polyimide film is reported as "self-extinguishing".

"Kapton" chars but does not burn. However, "Kapton" will burn in an atmosphere of 100% oxygen. The major off-gases are carbon dioxide and carbon monoxide.

The processing of "Kapton" polyimide films can cause the generation of static charge. Precautions for static charges should also be taken when removing plastic films used as protective packaging for "Kapton".

## Extinguishing Media

Use media appropriate for surrounding material.

## Fire Fighting Instructions

None required.

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ACCIDENTAL RELEASE MEASURES  
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## Safeguards (Personnel)

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

## Accidental Release Measures

Practice good housekeeping to prevent and eliminate slipping hazards.

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HANDLING AND STORAGE  
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## Handling (Personnel)

Wash thoroughly after handling.

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EXPOSURE CONTROLS/PERSONAL PROTECTION  
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## Engineering Controls

Safe handling of "Kapton" polyimide films at high temperatures (above 200 deg C) requires adequate ventilation. If small quantities of "Kapton" are involved, normal air circulation may be all that is needed in case of overheating. Whether or not existing ventilation is adequate at higher temperatures will depend on the combined factors of film quantity, temperature and exposure time.

## Personal Protective Equipment

Safety glasses are recommended as good industrial practice.

Respirators are not needed for normal use.

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

## Exposure Guidelines

## Exposure Limits

"KAPTON" POLYIMIDE FILM, K TYPES  
PEL (OSHA) : None Established  
TLV (ACGIH) : None Established

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PHYSICAL AND CHEMICAL PROPERTIES  
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## Physical Data

Solubility in Water : Insoluble  
Form : Transparent film  
Color : Amber-colored  
Specific Gravity : >1.4

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STABILITY AND REACTIVITY  
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## Chemical Stability

Stable at normal temperatures and storage conditions.

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DISPOSAL CONSIDERATIONS  
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## Waste Disposal

Landfill or incinerate in compliance with federal, state and local regulations.

