

DUPONT KAPTON/TEFLON CUSTOMER SERVICE -- KAPOO1 -- 9330-01-387-0413

===== Product Identification =====

Product ID:KAPOO1

MSDS Date:10/08/1996

FSC:9330

NIIN:01-387-0413

Status Code:A

MSDS Number: CJDQB

=== Responsible Party ===

Company Name:DUPONT KAPTON/TEFLON CUSTOMER SERVICE

Box:89

City:CIRCLEVILLE

State:OH

ZIP:43113

Country:US

Emergency Phone Num:800-237-4357

CAGE:DUPP0

=== Contractor Identification ===

Company Name:DUPONT KAPTON/TEFLON CUSTOMER SERVICE

Box:89

City:CIRCLEVILLE

State:OH

ZIP:43113

Country:US

Phone:800-237-4357/800-441-3637

CAGE:DUPP0

===== Composition/Information on Ingredients =====

Ingred Name:INERT POLYIMIDE FILM

< Wt:100.

Ingred Name:.ALPHA.-ALUMINA

CAS:1344-28-1

RTECS #:BD1200000

Minumum % Wt:0.

Maxumum % Wt:35.

OSHA PEL:15 MG/M3

ACGIH TLV:10 MG/M3

Ingred Name:CARBON BLACK

CAS:1333-86-4

RTECS #:FF5800000

Minumum % Wt:0.

Maxumum % Wt:20.

OSH

A PEL:3.5 MG/M3
ACGIH TLV:3.5 MG/M3

Ingred Name:DIMETHYL ACETAMIDE
CAS:127-19-5
RTECS #:AB7700000
< Wt:1.
OSHA PEL:35 MG/M3;10 PPM
ACGIH TLV:36 MG/M3;10 PPM

Ingred Name:POLYIMIDE POLYMER
CAS:25038-81-7

===== Hazards Identification =====

Reports of Carcinogenicity:NTP:UNKNOWN IARC:YES
Health Hazards Acute and Chronic:INHALATION: EXPOSURE TO ALUMINA/CARBON
BLACK ENCAPSULATED IN THE POLYMER IS NOT LIKELY. SKIN: DUPONT
RECOMMENDS TREATING POLYMER D
UST AS A NUISANCE PARTICULATE.
SKIN/EYES: NOT A PROBABLE ROUTE OF EXPOSURE FOR FILM.
Explanation of Carcinogenicity:THE FOLLOWING COMPONENTS ARE LISTED BY
IARC, NTP, OSHA/ACGIH AS CARCINOGENS: CARBON BLACK.

===== First Aid Measures =====

First Aid:SKIN: WASH W/SOAP & WATER AFTER HANDLING. EYES: FLUSH
W/WATER. OBTAIN MEDICAL ATTENTION IN ALL CASES.

===== Fire Fighting Measures =====

Extinguishing Media:WATER
, FOAM, DRY CHEMICAL, CO2
Fire Fighting Procedures:NONE REQUIRED.
Unusual Fire/Explosion Hazard:THE FLAMMABILITY CHARACTERISTIC OF
POLYIMIDE FILM IS REPORTED AS SELF EXTINGUISHING.

===== Accidental Release Measures =====

Spill Release Procedures:REVIEW FIRE FIGHTING MEASURES & HANDLING
SECTIONS BEFORE PROCEEDING W/CLEAN-UP. USE APPROPRIATE PERSONAL
PROTECTIVE EQUIPMENT DURING CLEAN-UP. PICK UP TO PREVENT SLIPPING
HAZARD.

===== Handling

ing and Storage =====

Handling and Storage Precautions:STORE AWAY FROM FLAMMABLE MATERIALS.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NOT NEEDED FOR NORMAL USE.

Ventilation:FOR SMALL QUANTITIES: USE NORMAL AIR CIRCULATION IN CASE OF
OVERHEATING. VENTILATION AT HIGHER TEMPS WILL DEPEND ON FILM
QUANTITY/TEMPERATURE & EXPOSURE TIME.

Protective Gloves:RECOMMENDED

Eye Protection:SAFETY GLASSES RECOMMENDED

Other Protective E

quipment:NOT NEEDED FOR NORMAL USE.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

KAPTON WILL BURN IN AN ATMOSPHERE OF 100% OXYGEN. THE PROCESSING OF
POLYIMIDE FILMS CAN CAUSE THE GENERATION OF STATIC CHARGE.
PRECAUTIONS FOR STATIC CHARGES SHOULD BE TAKEN WHEN REMOVING
PLASTIC FILM S USED AS PROTECTIVE PACKAGING FOR KAPTON.

===== Physical/Chemical Properties =====

Melt/Freeze Pt:M.P/F.P Text:NONE

Spec Gravity:>1.4

Solubility in Water:INSOLUBLE

Appearance and Odor:LIGHT AMBER TRANSPARENT FILM W/NO ODOR

Percent Volatiles by Volume:1%

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

NONE

Stability Condition to Avoid:STATIC CHARGES, TEMPERATURES ABOVE 752F.

Hazardous Decomposition Products:CO, CO2

===== Ecological Information =====

Ecological:AQUATIC TOXICITY. INSOLUBLE.

===== Disposal Conside

rations =====

Waste Disposal Methods:LANDFILL/INCINERATE/DISPOSE OF IN ACCORDANCE
W/LOCAL, STATE & FEDERAL REGULATIONS.

===== Regulatory Information =====

State Regulatory Information:SUBSTANCES ON THE PENNSYLVANIA HAZARDOUS
SUBSTANCES LIST PRESENT AT A CONCENTRATION OF 1%/MORE (0.01 FOR
SPECIAL HAZARDOUS SUBSTANCES) DIMETHYL ACETAMIDE (1% MAXMUM); SOME
TYPES CONTAIN CARBON BLACK (2-30%); SOME TYPES CONTAIN ALUMIN (35%
MAX
IMUM). SUBSTANCES ON THE NEW JERSEY WORKPLACE HAZARDOUS
SUBSTANCE LIST PRESENT AT A CONCENTRATION OF 1%/MORE (0.1% FOR
SUBSTANCES IDENTIFIED AS CARCINOGENS, M UTAGENS/TERATOGENS)
DIMETHYL ACETAMIDE (1% MAXIMUM); SOME TYPES CONTAIN CARBON BLACK
(2-30%) SOME TY PES CONTAIN ALUMINA (35% MAXIMUM).

===== Other Information =====

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