

MATERIAL SAFETY DATA SHEET

MANUFACTURER/DISTRIBUTOR: APICAL DIVISION - KANEKA TEXAS CORPORATION
6161 UNDERWOOD ROAD
PASADENA, TEXAS 77507

PRODUCT INFORMATION PHONE NUMBER: 1-800-222-8128

PRODUCT IDENTIFICATION

TRADE NAME : APICAL Polyimide Film.
TYPE : AV, AF, AVY, AFY, BCW.
CHEMICAL NAME : Aromatic Polyimide.
CAS REGISTRY NUMBER : 25038-81-7
DOT HAZARD CLASS : Not Regulated.
SHIPPING NAME : Not Applicable.
IATA HAZARD CLASS : Not Regulated.
IMO HAZARD CLASS : Not Regulated.
OZONE DEPLETING CHEMICALS : Not Regulated, Contains No ODC's

HAZARDOUS COMPONENTS

MATERIAL:	Dimethyl Acetamide	Dimethyl Formamide
CAS #:	127-19-5	68-12-2
WEIGHT %:	Up to 1.0 %	Up to 1.0 %
OSHA PEL:	10 ppm (skin)	10 ppm (skin)
ACGIH TLV:	10 ppm (skin)	10 ppm (skin)
ACGIH TWA:	10 ppm (skin)	10 ppm (skin)

SUBSTANCES PRESENT AT A CONCENTRATION OF 0.1% OR MORE WHICH ARE CLASSIFIED AS CARCINOGEN BY IARC, NTP, OR OSHA: None.

PHYSICAL DATA

MELTING POINT : Thermal degradation before melting.
SOLUBILITY IN WATER : Insoluble.
VOLATILE : 1.0% Max.
FORM : Solid.
APPEARANCE : Transparent Film.
COLOR : Amber, to Yellow.
ODOR : None.

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	: N/A.
FLASH IGNITION TEMP	: N/A.
FIRE AND EXPLOSION HAZARDS	: Will char but will not burn in atmospheres with normal oxygen content.
EXTINGUISHING MEDIA	: Water, Carbon dioxide, Foam, Dry chemicals.
SPECIAL FIRE FIGHTING INSTRUCTIONS :	Wear self-contained breathing apparatus approved by NIOSH.
UNUSUAL FIRE AND EXPLOSION HAZARDS	: Irritating fumes may develop when product is heated.

HAZARDOUS REACTIVITY

MATERIALS TO AVOID: None Known.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS:

None under normal conditions. At temperature above 400°C, CO, CO₂, and NO₂ are the major off-gases.

HEALTH HAZARD INFORMATION

INGESTION	: Not a probable route of exposure.
INHALATION	: Not a probable route of exposure.
SKIN CONTACT	: Prolonged contact may cause skin irritation to some individuals.
EYE CONTACT	: Not a probable route of exposure.
CHRONIC EFFECT	: None Known.

EMERGENCY FIRST AID

SKIN CONTACT : In case prolonged contact causes irritation, wash with soap and water. Consult physician if skin irritation exists.

PROTECTION INFORMATION

- VENTILATION : Local exhaust recommended for operation above 200°C
- MISC. : Precautions should be taken to prevent skin absorption as well as inhalation of components as outlined in Hazardous Components Section.
- MISC. : This material, as well as many plastic films, has a tendency to form a static charge.
- MISC. : This material can cause a slip hazard if good housekeeping practice are not followed.

DISPOSAL PROCEDURES

- WASTE DISPOSAL : This material as supplied is not a RCRA hazardous waste. Federal, State and Local regulations should be observed when disposing.

STORAGE CONDITIONS

Store in original container in cool, dry area to preserve received product quality.

SPECIAL PRECAUTIONS

Do not use in food contact applications.

Prepared by Environmental & Technical Department:

The information set forth herein has been gathered from standard reference materials and/or APICAL DIVISION - KANEKA TEXAS CORPORATION test data and to our best knowledge and belief is accurate and reliable. Such information is offered solely for your consideration, investigation and verification, and it is not suggested or guaranteed that the hazard precautions or procedures mentioned are the only ones which exist. APICAL DIVISION - KANEKA TEXAS CORPORATION makes no warranties, express or implied, with respect to the use of such information or the use of the specific material identified herein in combination with any other material or process and, therefore, assumes no responsibility. While our technical personnel will be happy to respond to questions, the safe handling and use remains the responsibility of the customer.