



Advanced PCB Production Assist Materials

Pro/Cap TD Film
 Material Safety Data Sheet
 Issued: 2/16/04
 Supercedes: 10/7/03

Section I - Chemical Product and Company Identification

Manufacturers name IKONICS Corporation
 Address 4832 Grand Avenue, Duluth, MN 55807
 Telephone number 218 628-2217 Customer Service
 Emergency phone number 800 424-9300 Chemtrec USA / 703/527-3887 International (collect)
 Product name Pro/Cap TD (Tropical Duty)
 Use Photostencil Film

Section II – Hazardous Ingredients

<u>Ingredients</u>	<u>Percent</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>VAPOR PSI</u>
Acrylate Oligomers	Trade secret	Trade secret	Not established	Not established	Not established
Photoinitiators	Trade secret	Trade secret	Not established	Not established	Not established

Section III – Physical Data

Appearance Blue, Brown or Purple Film
 Boiling point Not Applicable
 Weight (per gallon) Not Applicable
 Percent volatile (by wt) Not Applicable
 Solubility in water Not Applicable
 Evaporation rate Not Applicable
 Vapor density Not Applicable
 VOC Not Applicable

Section IV – Fire and Explosion Data

Flash point Not Applicable
 Extinguishing media Class B fire extinguisher
 Unusual fire & explosion hazards Under high heat, decomposition may present a hazard.
 Special fire fighting procedures For full protection, fire fighters are recommended to wear NIOSH-MSHA approved self-contained breathing apparatus and chemical resistant clothing.

Section V – Health Hazard Data

HMIS Codes 1-1-0-G Minimal=0, Slight=1, Moderate=2, Serious=3, Severe=4
Effects of overexposure
 Eye contact No specific information available. May cause eye injury.
 Skin contact May cause skin injury (reddening or swelling) and / or sensitization /allergic reaction. Prolonged contact may cause blister formations (burns).
 Inhalation No specific information available.
 Ingestion No specific information available.
First aid emergency procedures
 Eye Flush with plenty of water for at least 15 minutes and seek medical attention.
 Skin Wash with soap and water, should irritation occur, seek medical attention.
 Inhalation Remove to fresh air.
 Ingestion If appreciable quantities are swallowed, seek medical attention.

Section VI – Reactivity Data

Stability	Unstable___ Stable <u>X</u>
Conditions to avoid	Strong light and high heat.
Incompatibility (materials to avoid)	None
Hazardous decomposition products	Carbon monoxide & carbon dioxide
Hazardous polymerization	May occur ___ Will not occur <u>X</u>

Section VII – Spill or Leak Procedures

Spill cleanup instructions	Not Applicable
Waste disposal method	Dispose in accordance with federal, state, and local laws.

We make no guarantee or warranty of any kind that the use or disposal of this product is in compliance with all federal, state, or local laws. It is the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

Section VIII – Control Measures / Personal Protection

Engineering controls	Ventilation – Local exhaust recommended, but not required. Provide adequate ventilation as necessary.
<i>Personal Protection Equipment (PPE)</i>	
Gloves	Rubber or neoprene gloves are required.
Eye	Personal eye protection is required.
Respiratory	Wear O.S.H.A. (29CFR 1910.134) protection as necessary.
Where contact may occur	Use the proper PPE.
Safety shower and eyewash	Should be available.

Section IX – Handling and Storage

Handling and storage information	Chromaline recommends that film be stored in a cool, dry area. For maximum shelf life, store film between 65°F and 75°F (20°C– 25°C). Film degrades quickly when stored above 110°F. Store film in sealed tube when not in use.
Other precautions	Industrial use only. Keep out of reach of children. Do not take internally.

Section X – Regulation Information

DOT classification	Not a DOT controlled material (United States).
TSCA	All ingredients are listed chemicals in the TSCA registry.

Approved by: VP Technology, Toshi Komatsu 218 628-2217 ext.142

Notice to reader

(Approved by U.S. Department of Labor “Essentially Similar” to form OSHA-20)

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