

MATERIAL SAFETY DATA SHEET******* I. PRODUCT IDENTIFICATION *********Trade Name (as labeled): 210 LF Nylon Transfer Adhesive****Chemical Names, common names: Solvent based vinyl resin dispersion****Manufacturer: International Coatings Company, Inc.****Address: 13929 East 166th Street, Cerritos, CA 90702-7666****Emergency Phone: Chemtel (800) 255-3924 or outside U.S. (813) 977-3668****Business Phone: (562) 926-1010 Business Fax: (562) 926-9486****Prepared By: J.R. Murthy Ph.D. Date Prepared: 07/11/02********* II. HAZARDOUS INGREDIENTS *******

Chemical Names	CAS Numbers	Percent	Exposure Limits in Air		
			ACGIH (TLV)	OSHA	Other
Cyclohexanone	108-94-1	22-26	25 ppm(skin)	50 ppm	
Isophorone	78-59-1	15-17	5 ppm	25 ppm	
Diethylene glycol monobutyl ether acetate	124-17-4	14-18	Not established	Not established	

******* III. PHYSICAL PROPERTIES *******

Vapor Density (air=1)	>1	Evaporation Rate (butyl acetate = 1)	<1
Specific Gravity	1.05	Appearance and Odor	Colorless viscous liquid ketonic odor.
Solubility in Water	Insoluble	Melting Point or Range, °F	Not applicable
Vapor Pressure, mmHg at 20°C	Not established	Boiling Point or Range, °F	>314

The VOC content of this material is 57.30% by weight or 5.01lbs/gallon.

HOW TO DETECT THIS SUBSTANCE* (warning properties of substance as a gas, vapor, dust or mist)

***** IV. FIRE AND EXPLOSION *****

Flash Point, F (give method): 44 TCC Auto ignition temperature, F:394

Flammable limits in air, volume %: lower 0.8 upper 8.1

Fire extinguishing materials: water spray carbon dioxide other:
 foam dry chemical

Special fire fighting procedures: Self contained breathing apparatus must be worn while fighting chemical fires.

Unusual fire and explosion hazards: Vapors are heavier than air and may travel along the ground and spark fires or explosions when flames or sparks are present nearby.

***** V. HEALTH HAZARD INFORMATION *****

Symptoms of overexposure for each potential route of exposure.

Inhaled: Headache, nausea, dizziness,.

Contact with skin or eyes: Burning and tearing of the eyes.

Absorbed through skin: None known, although drying of the skin and dermatitis are possible.

Ingested: Damage to vital organs such as kidneys, liver and gastrointestinal track.

Health effect or risks from exposure. Explain in lay terms.

Acute: Skin and eye irritation, headache, nausea, disorientation.

Chronic: Permanent damage to the central nervous system, kidneys, liver.

First aid: Emergency procedures

Eye contact : Rinse thoroughly with water. If irritation persists seek medical attention.

Skin contact: Wash with soap and water.

Inhaled : Remove to fresh air. If not breathing , administer artificial respiration. Seek medical attention immediately.

Swallowed : Do not give liquids to drink. Seek immediate medical care.

Suspected cancer agent?

No this product's ingredients are not found in the lists below

Yes: Federal OSHA NTP IARC Cal/OSHA

Medical conditions aggravated by exposure: Preexisting health problems in liver, kidneys and respiratory track.

Recommendations to physician: None.

******* VI. REACTIVITY DATA *******

Stability: Stable Unstable

Conditions to avoid: Flames, sparks, heat.

Incompatibility (material to avoid): Strong oxidizers.

Hazardous decomposition products (including combustion products): Carbon dioxide, Carbon monoxide.

Hazardous polymerization: May occur Will not occur
Conditions to avoid:

******* VII. SPILL, LEAK AND DISPOSAL PROCEDURES *******

Spill response procedures (include employee protection measures): Dike the area with absorbent material such as vermiculite for disposal. Do not allow sparks or open flames in the immediate vicinity. Cleanup personnel must wear solvent resistant boots and gloves.

Preparing wastes for disposal (container types, neutralization, etc.): Clearly identify waste containers as toxic waste and dispose of in closed metallic containers.

NOTE: Disposal of all wastes in accordance with federal, state and local regulations.

******* VIII. SPECIAL HANDLING INFORMATION *******

Ventilation and engineering controls: Good flow through ventilation must be provided in the work area.

Respiratory protection: None required under normal conditions. If vapor levels exceed TLV levels, an NIOSH/MSHA approved air supplied respirator is recommended.

Eye protection (type): Chemical goggles.

Gloves (specify material): Solvent resistant neoprene type.

Other clothing and equipment: Solvent resistant shoes and protective clothing.

Work practices, hygienic practices: Follow good industrial hygienic practices such as washing hands with soap and water after handling this material and before food consumption.

Other handling and storage requirements: Store away from heat in closed containers. Avoid flames and sparks.

Protective measure during maintenance of contaminated equipment: Do not weld or cut empty containers as it may spark explosions from solvent residues.

***** IX. LABELING *****

Labeling (precautionary statements)* Flammable liquid.

D.O.T. Label* Flammable liquid UN 1090 Class 3 Group 2.

<u>Code Definition</u>	
H: Health	2
F: Flammable	2
R: Reactivity	0
P: Personal Protection	x
<u>Hazard Index</u>	
4: Severe Hazard	
3: Serious Hazard	
2: Moderate Hazardous	
1: Slight Hazard	
0: Minimal Hazard	
X: Please see section VIII	

International Coatings Co., Inc. believes to the best of it's knowledge, that the information provided herein, is factual and the recommendations made are accurate as of the date shown. However, no representation or warranty is made as to their completeness or accuracy.