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MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: R/Flex® 3000 Series LCP Films (3XXX)
CHEMICAL NAME: NA
CHEMICAL FAMILY: Aromatic Crystal Polyester
HMIS RATING: H 1 F 1 R 1
CAS NUMBER: NA
(All components are TSCA listed.)
EMERGENCY PHONE: 860-774-9605
CHEMTREC: 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS No.</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
2-Naphthalenecarboxylic Acid, 6-(Acetyloxy)-Polymer with 4-(Acetyloxy) Benzoic Acid	70679-92-4	100	NE	NE

The remaining ingredients are not hazardous as defined in OSHA's Hazard Communication Standard 29 CFR 1910.1200.

3. HAZARDS IDENTIFICATION

EFFECTS OF OVEREXPOSURE: None anticipated with normal handling. Molten material may cause burns. No specific inhalation data is available. Avoid breathing fumes of heated material as good industrial hygiene practice.

INHALATION: Since no information is available, avoid excessive inhalation.
EYE CONTACT: Irritation may occur.
SKIN CONTACT: None expected; sensitive individuals may experience irritation.
INGESTION: Not a likely route of exposure. If ingested, seek medical attention.
CHRONIC: NA

4. FIRST-AID MEASURES

INHALATION: Remove to fresh air. Seek medical attention if condition merits.

EYE CONTACT: Flush eyes with large amounts of water for 15 minutes and seek medical attention.

SKIN CONTACT: If hot or molten material contacts skin, cool rapidly with cold water. If stuck to skin - do not remove. Seek medical attention and allow polymer to come off naturally. Removal of adhered polymer may result in more tissue damage.

INGESTION: No information available. Not a likely route or exposure. Low toxicity is expected. Seek medical attention.

5. FIRE-FIGHTING MEASURES

FLASH POINT:	NA	Flammable Limits:	LEL	<u>NA</u>	UEL	<u>NA</u>
METHOD USED:	NA					
AUTOIGNITION TEMPERATURE:	1004 ^o F (540 ^o C)					
EXTINGUISHING MEDIA:	<u> </u> Water Fog	<u> </u> Foam	<u> </u> CO ₂			
	<u> </u> Dry Chemical	<u> </u> Other				
SPECIAL FIRE FIGHTING PROCEDURES:	Firefighters should be equipped with a self-contained breathing apparatus and full turnout gear.					
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None known.					
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide, carbon dioxide, phenol, phenyl esters, and aromatic compounds.					

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Safety glasses with side shields.
ENVIRONMENTAL PRECAUTIONS:	None known to be required.
CLEANING METHODS:	Pick up or sweep up and dispose of in accordance with applicable regulations.
RESPONSE TO SPILLS:	Pick up or sweep up and dispose of in accordance with applicable regulations.

7. HANDLING AND STORAGE

HANDLING/STORAGE:	Keep away from high heat.
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8. ENGINEERING CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION:	None needed under normal conditions. If material is heated to decomposition temperatures or odors from heated operations are noticeable and/or irritating and organic vapor respirator should be used. A qualified individual should evaluate each situation.
<u>VENTILATION</u>	
LOCAL:	Local exhaust required for heated operations.
GENERAL:	Good general exhaust as with all industrial operations.
<u>PERSONAL PROTECTION</u>	
HAND:	As needed to protect against hot material in heated operations.
EYE:	Safety glasses with side shields.
SKIN:	As needed to protect against hot material in heated operations.
OTHER:	NA

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Film Tan/Brown
ODOR:	None
PHYSICAL STATE:	Solid
BOILING POINT:	NA
MELTING POINT:	527 - 635 ^o F (275 - 335 ^o C)
FREEZING POINT:	NA
WATER SOLUBILITY:	Insoluble
VAPOR PRESSURE:	NA
SPECIFIC GRAVITY:	1.40
PARTITION COEFFICIENT:	NA
EXPLOSIVE PROPERTIES:	NA
EVAPORATION RATE:	NA
DENSITY:	NA
VISCOSITY:	NA
IGNITION:	NA
pH:	NA

10. STABILITY AND REACTIVITY

STABLE UNSTABLE

CONDITIONS TO AVOID:	None under normal use. Do not heat above 750 ^o F (400 ^o C).
MATERIALS TO AVOID:	Contact with strong alkali solutions may soften material.
HAZARDOUS POLYMERIZATION:	<input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Does Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide, carbon dioxide, phenol esters, and aromatic compounds.

11. TOXICOLOGICAL INFORMATION

CARCINOGENIC STATUS: NA

12. ECOLOGICAL INFORMATION

NA

13. DISPOSAL CONSIDERATION

ENVIRONMENTAL TOXICITY DATA:	NA
WASTE DISPOSAL METHOD:	In accordance with all local, state, and federal regulations (landfill or incinerate).
CONTAINER DISPOSAL:	In accordance with all local, state, and federal regulations (landfill or incinerate).

14. TRANSPORT INFORMATION

DOT SHIPPING NAME:	NA
DOT HAZARD CLASSIFICATION:	NA
PACKING GROUP:	NA
UN/NA CODE:	NA

15. REGULATORY INFORMATION

TSCA
(Toxic Substances Control Act): All ingredients are TSCA listed.

CERCLA
(Comprehensive Emergency Response,
Compensation, and Liability Act): NA

SARA TITLE III
(Superfund Amendments and
Reauthorization Act): NA

311/312 HAZARD CATEGORIES: None

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

<u>CAS #</u>	<u>CHEMICAL NAME</u>	<u>PERCENT BY WEIGHT</u>
NA		

16. OTHER INFORMATION

NA = Not Applicable
NE = Not Established

FILE: Rflex3000Film.doc
99010

DATE PREPARED: 11/05/2002
DATE REVISED: 3/20/2003

PREPARED BY: Timothy B. Gauthier
REVISED BY: Greg Sullivan
REVIEWED BY: Robert F. Lee

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