

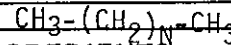
MATERIAL SAFETY DATA SHEET

000212

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME GENERAL BINDING CORPORATION		EMERGENCY TELEPHONE NO. (312) 543-7100
ADDRESS (Number, Street, City, State, and ZIP Code) 712 W. Winthrop Avenue, Addison, IL 60101		
CHEMICAL NAME AND SYNONYMS Polyester-Polyethylene Laminate	TRADE NAME AND SYNONYMS NAPLAM Film	
CHEMICAL FAMILY Polyethylene Terephthalate-Polyolefin	FORMULA Polyethylene Terephthalate-	



SECTION II - HAZARDOUS INGREDIENTS

n.a.

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	n.a.	SPECIFIC GRAVITY (H ₂ O=1)	1.0-1.3
VAPOR PRESSURE (mm Hg.)	n.a.	PERCENT VOLATILE BY VOLUME (%)	Unknown
VAPOR DENSITY (AIR=1)	n.a.	EVAPORATION RATE (_____ =1)	n.a.
SOLUBILITY IN WATER	Insoluble		
APPEARANCE AND ODOR			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	n.a.	FLAMMABLE LIMITS	Lel	Uel
			n.a.	n.a.
EXTINGUISHING MEDIA Water spray, dry chemicals, foam or CO ₂				
SPECIAL FIRE FIGHTING PROCEDURES Firefighters should wear self-contained breathing apparatus in the positive pressure mode with a full facepiece when there is a possibility of exposure to smoke, fumes or hazardous decomposition products. The application of high velocity water will spread the burning surface layer.				
UNUSUAL FIRE AND EXPLOSION HAZARDS				

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

n.a.

EFFECTS OF OVEREXPOSURE

EMERGENCY AND FIRST AID PROCEDURES

SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

CONDITIONS TO AVOID

May burn or react violently with flourine

STABLE

X

Oxygen mixtures with 50%-100% flourine

INCOMPATIBILITY (Materials to avoid)

Polyesters are hydrolyzed by strong acids and bases and by water at high *

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition product may include C, CO, CO₂, H₂O, Acrolein, Aldehyde

HAZARDOUS
POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID

WILL NOT OCCUR

Generally Stable

Unknown

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Pick up film to prevent a slipping hazard.

WASTE DISPOSAL METHOD

Landfill preferred. Disposal method must conform to Federal, State, and Local regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

Normal ventilation

VENTILATION

LOCAL EXHAUST

SPECIAL

MECHANICAL (General)

OTHER

n.a.

PROTECTIVE GLOVES

Gloves for handling hot film

EYE PROTECTION

OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

No special hazards anticipated under conditions normally encountered in storage and handling.

OTHER PRECAUTIONS

(*cont'd) temperatures. Acetaldehyde and small amounts of carbon dioxide and carbon monoxide may be formed.