

MATERIAL SAFETY DATA SHEET



Capran® 980

1. PRODUCT AND COMPANY NAME

PRODUCT NAME: Capran® 980
DESCRIPTION: Heat Stabilized Nylon Film
MANUFACTURER: Honeywell Inc.
101 Columbia Road
P.O. Box 1053
Morristown, New Jersey 07962-1053

FOR MORE INFORMATION CALL: 800-707-4555
IN CASE OF EMERGENCY CALL: 800-707-4555

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient Name</u>	<u>CAS #</u>	<u>% of Ingredient</u>
Poly[imino(1-oxo-1,6-hexanediyl)] (CAS 25038-54-4)		99-100%
Colorants		0-1%
Caprolactam (Vapor)	(CAS 105-60-2)	0-1%

3. HAZARD IDENTIFICATION

POTENTIAL HEALTH HAZARDS

Route of Entry: N/A
Target Organs: N/A
Skin Contact: N/A
Eye Contact: N/A
Ingestion: Elevated processing temperatures may release irritating vapors.

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4. FIRST AID MEASURES

Inhalation: Remove person to fresh air. If condition persists, seek medical attention.
Skin Contact: N/A
Eye Contact: Flush eyes with water while holding eyelids apart to ensure complete irrigation.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flash Point (Method Used): N/A
LEL: N/A
UEL: N/A
Extinguishing Method: Carbon dioxide, dry chemical, foam, water or other agents as appropriate for materials in surrounding fire
Special Fire Fighting Procedures: Wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus and full protective clothing.
Unusual Fire and Explosion Hazards: Molten film at higher temperatures can ignite and will burn.

6. ACCIDENTAL RELEASE MEASURES

Always wear recommended personal protective equipment. Collect and place in solid waste container.

7. HANDLING AND STORAGE

Handling Precautions: Always wear recommended personal protective equipment
Storage Requirements: Store in a cool, dry area, away from direct heat or sunlight, and incompatible substances.

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8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls: Use general room ventilation plus local exhaust at points of fume generation to maintain exposure below the PEL/TLV exposure limits.

Protective Equipment: Use heat resistant gloves if handling melted material. Safety glasses that conform to ANSI Z87.1 should be worn.

Exposure Guideline/Other: Use normal personal hygiene and good housekeeping.

Ingredient Name	Guideline	Form of Exposure	Concentration , Density
Caprolactam (vapor)	ACGIH TWA	Inhalable fraction and vapor	5 mg/m ³
	NIOSH REL	Vapor	0.22 ppm, 1 mg/m ³
	NIOSH REL	Dust	1 mg/m ³
	NIOSH STEL	Vapor	0.66 ppm, 3 mg/m ³
	NIOSH STEL	Dust	3 mg/m ³
	US CA OEL TWA PEL	Vapor	5 ppm, 20 mg/m ³
	US CA OEL TWA PEL	Dust	1 mg/m ³
	US CA OEL STEL	Vapor	10 ppm, 40 mg/m ³
	US CA OEL STEL	Dust	3 mg/m ³
	OSHA Z1A TWA	Dust	1 mg/m ³
	OSHA Z1A TWA	Vapor	5 ppm, 20 mg/m ³
	OSHA Z1A STEL	Vapor	10 ppm, 40 mg/m ³
	OSHA Z1A STEL	Dust	3 mg/m ³

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear or colored plastic film

Physical Status: Solid

Odor: No odor

pH: N/A

Vapor Pressure: N/A

Vapor Density: No Data Available, (Air = 1.0)

Boiling Point: N/A

Freezing/Melting Point: 428 - 433F (220 - 223C)

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Solubility: N/A
Spec. Grav./Density: 1.12 – 1.14 g/cm³

10. STABILITY AND REACTIVITY

Stability: Stable
Conditions to avoid: Avoid exposure to open flame or temperatures exceeding processing temperatures. The maximum temperature to which the film can be exposed will vary with exposure (DELL) time. RAP should be contacted if questions arise concerning specific processing conditions.
Materials to avoid (Incompatibility): Strong oxidizing agents
Hazardous Decomposition Products: Thermal decomposition may include hydrogen cyanide (hydrocyanic acid), carbon monoxide, carbon dioxide
Hazardous Polymerization: N/A

11. TOXICOLOGICAL INFORMATION

Immediate (Acute) Effects: Not determined
Delayed (Sub-chronic and chronic) Effects: None known
Other Data: None

12. ECOLOGICAL INFORMATION

Material is considered inert and not expected to be biodegradable or toxic.

13. DISPOSAL CONSIDERATIONS

Dispose of in compliance with federal, state, and local government regulations. Usually considered and inert packaging material than can be recycled or land filled.

14. TRANSPORT INFORMATION

None special required

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15. REGULATORY INFORMATION

EU.EINECS :	On the inventory, or in compliance with inventory
US.Toxic Substances Control Act :	On the inventory, or in compliance with inventory
Australia. Industrial Chemical (Notification and Assessment) Act :	On the inventory, or in compliance with inventory
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133 :	On the inventory, or in compliance with inventory
Japan. Kashin-Hou Law List :	On the inventory, or in compliance with inventory
Korea. Toxic Chemical Control Law (TCCL) List :	On the inventory, or in compliance with inventory
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act :	On the inventory, or in compliance with inventory
China. Inventory of Existing Chemical Substances :	On the inventory, or in compliance with inventory

National Regulatory Information

SARA 311/312 Hazards: No SARA Hazards

California Prop. 65 : On This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

New Jersey RTK : Caprolactam CAS 105-60-2

Pennsylvania RTK : Caprolactam CAS 105-60-2

WHMIS Classification : Not rated

16. OTHER INFORMATION

Current Issue Date: 10/05/2010
Previous Issue Date: 01/23/2009