

# Material Safety Data Sheet

May be used to comply with

OSHA's Hazard Communication Standard,  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.

# U.S. Department of Labor

Occupational Safety and Health Administration

(Non-Mandatory Form)

Form Approved

OMB No.1218-0072

IDENTITY(As Used on Label and List)

**R-390**

Note :Blank spaces are not permitted. If any item is not applicable,  
or no information is available, the space must be marked to  
indicate that.

## Section I

Manufacturer's Name

DNP Imagingcomm America Corp.

Emergency Telephone Number

(704)784-7149

Address:

4524 Enterprise Drive N.W.  
Concord, NC 28027

Telephone Number for information

(704)784-7149

Date prepared

1/12/2005

Signature of Preparer (optional)

## Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	%(optional)
Polyethylene terephthalate film (CAS No. 25038-59-9)				(79-87%)

Coating layer substances

Polyester (CAS No. 149027-65-6)				(2-6%)
Carbon Black (CAS No. 1333-86-4)	3.5mg/m3	3.5mg/m3	None	(3-4%)
Ester Wax (CAS No. 8015-86-9)				(2-4%)
Vinyl Chloride - Vinyl Acetate Copolymer (CAS No. 9903-22-9)				(1-2%)
Acrylic Polymer (CAS No. )				(1-2%)
Others				(2-4%)

## Section III - Hazardous Ingredients/Identity Information

Boiling Point	Not applicable	Specific Gravity (H2O=1)	About 1.3
Vapor Pressure (mmHg)	Not applicable	Melting Point	85 degrees C
Vapor Density (AIR = 1)	Not applicable	Evaporation Rate (Butyl Acetate=1)	Negligible

Solubility in water

Negligible

Appearance and Odor

Ink is black solid with slight odor.

## Section IV - Fire and Explosion Hazard Data

Flash point (Method Used)	Flammable Limits	LEL	UEL
About 250 degrees C for ink	Not applicable	Not applicable	Not applicable

Extinguishing Media

CO2, Water, Dry Chemicals, Foam

Special Fire fighting Procedures

For large quantities (i.e. truckload or pallet) involved in a fire, firefighters should wear self-contained breathing apparatus and protective clothing.

Unusual Fire and Explosion Hazards

None

(Reproduce locally)

OSHA 174,Sept. 1985

## Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid None
	Stable	0	

Incompatibility (Materials to Avoid)  
None

Hazardous Decomposition or Byproducts  
CO, CO<sub>2</sub>, NO<sub>x</sub> and H<sub>2</sub>O etc.

Hazardous Polymerization	May Occur		Conditions to Avoid None
	Will Not Occur	0	

## Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? No	Skin? No	Ingestion? possible but very unusual.
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Health Hazards (Acute and Chronic)

The ingredients are not listed in ACGIH('86) and OSHA('89) except carbon black.

Carcinogenicity:	NTP? No	IARC Monographs? Carbon Black : Group 2B	OSHA Regulated? No
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Signs and Symptoms of Exposure  
None

Medical Conditions

Generally Aggravated by Exposure      None

Emergency and First Aid Procedures

Not applicable

## Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Not applicable

Waste Disposal Method

Dispose by the same method of ordinary plastic products in accordance with all applicable regulations. Any disposal practice must be in compliance with local, state and federal laws and regulations. If necessary, contact government office and ensure conformity with disposal regulations.

Precautions to Be Taken in Handling and Storing.

No special precautions for safety reason.

Other Precautions

None

## Section VIII - Control Measures

Respiratory Protection (Specify Type)

Not required

Ventilation	Local Exhaust No	Special No
	Mechanical (General) No	Other No

Protective Gloves  
Not required

Eye Protection  
Not required

Other Protective Clothing or Equipment

None

Work/Hygienic Practices

None