

DNP Imagingcomm America Corporation**Safety Data Sheet****TR4085 Plus****1. Identification**

Product Name: TR4085 Plus

Product Use: No restrictions. Use in accordance with applicable guidelines.

Manufacturer: DNP Imagingcomm America Corporation

Address: 1001 Technology Drive, Mt. Pleasant, PA 15666

General Information: (724) 696-7500

Emergency Number: (724) 696-7500

2. Hazard Identification

GHS Classification:

Health: Not Classified

Environmental: Not Classified

Physical: Not Classified

GHS Label:

Symbol: None

Hazard Statement: None

Signal Words: None

Toxic Components: None

3. Composition/Information on Ingredients

Chemical Identity: Thermal Transfer Ribbon

Substance/Mixture: Mixture

Component	Weight % (Range)	CAS-Reg. No.
Polyethylene terephthalate film	54% - 65%	25038-59-9
<i>Thermal Transfer Ink</i>		
Component	Weight % (Range)	CAS-Reg. No.
Polymeric Resin	14% - 21%	Trade Secret
Carbon Black	6% - 12%	1333-86-4
Carnauba Wax	7% - 10%	8015-86-9
Wax	5% - 7%	Trade Secret

HAZARDOUS INGREDIENTS: NONE

4. First-Aid Measure

Eye:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and seek medical attention if irritation persists.
Ingestion:	If material is swallowed, get immediate medical attention or advice. If choking, remove obstruction from passageway and seek immediate medical attention. DO NOT induce vomiting unless instructed to do so by medical personnel.
Inhalation:	As supplied, product is a solid and would not in practice, be inhaled. However, inhalation hazards become more acute if exposure to airborne powder or dust is caused by excessive cutting or abrading. If difficulty in breathing or respiratory irritation occurs, move person to fresh air. If irritation persists, seek medical attention
Skin:	Not skin sensitive if used under normal conditions and as recommended. If irritation persists, seek medical attention.

5. Fire Fighting Measures

Autoignition Temperature:	No data available
Extinguishing Media:	Use alcohol foam, carbon dioxide, dry chemical powder or water spray when fighting fires involving this material.
Fire Fighting Instructions:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Combustion Products:	Thermal decomposition generates carbon oxides and irritating volatile organic compounds.

6. Accidental Release Measures

Clean-up Procedure:	Safely collect material and place in proper disposal container. Wash walking surface with detergent and water to reduce slipping hazard.
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7. Handling and Storage

Handling:	As supplied this product is inert. Protective clothing and breathing apparatus should be utilized if the product is handled during excessive cutting or abrading.
Storage:	Store in a dry location at temperatures between 5°C (41°F) and 40°C (104°F).

8. Exposure Controls/Personal Protection

Occupational Exposure Limits:

Carbon Black: OSHA TWA PEL = 3.5 mg/cu. meter ACGIH TWA TLV = 3.5 mg/cu. meter

Eye/Face Protection: Not required with expected use.

Skin and Body Protection: Not required with expected use.

Respiratory Protection: Not required with expected use.

If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

General Hygiene Practices: Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

9. Physical and Chemical Properties

Appearance/Physical State:	Solid
Color:	Black
Odor:	Paraffinic
PH:	No information available
Melting Point Range:	489-543° F (254-284° C) (for PET base film)
Freezing Point:	No information available
Boiling Point:	No information available
Flash Point:	No information available
Evaporation Rate:	No information available

Flammability (solid, gas):	Slightly flammable when exposed to heat or flame
Upper Flammability Limit:	No information available
Lower Flammability Limit:	No information available
Vapor Pressure:	No information available
Vapor Density:	No information available
Specific Gravity:	1.33-1.45 (for PET base film)
Solubility:	Negligible in water
Partition Coefficient:	No information available
Auto-ignition Temperature:	932° F (500° C) (for PET base film)
Decomposition Temperature:	No information available
Viscosity:	No information available

10. Stability and Reactivity

Reactivity:	This material is considered to be non-reactive under normal conditions of use.
Chemical Stability:	Stable
Possibility of Hazardous Reactions:	Not expected to occur with normal handling and storage
Incompatible Materials:	No information available
Hazardous Decomposition Products:	May include carbon monoxide, carbon dioxide (CO ₂) and other toxic gases or vapors

11. Toxicological Information

No acute or chronic toxicological effects are expected.

12. Ecological Information

Persistence and Degradability:	This product is not biodegradable
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13. Disposal Considerations

As local regulations may vary, all waste must be disposed/recycled/reclaimed in accordance with federal, state, and local environmental control regulations.

14. Transportation Information

General Information: Not classified as hazardous for transport.

DOT Hazard Class: Not regulated.

15. Regulatory Information

SARA (311, 312): None

Hazard Class:

SARA (313) Chemicals: None known

SARA Section 302: None found

WHIMS Hazard Class: Non-Controlled

16. Other Information

Disclaimer: This data is offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is made. The recommended handling procedures are believed to be generally applicable, however, each user should review these recommendations in the specific content of the intended use. Should new information become available regarding this product, DNP Imagingcomm America will update this safety data sheet as needed.

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