

# Safety Data Sheet

## Black TTR Ribbon

### SECTION 1 *Product Identification and General Information*

**Manufacturer:** International Imaging Materials, Inc.

**Manufacturer Address:** 310 Commerce Drive, Amherst, New York 14228-2396

**Product Information:** 716-691-6333 (contact Director, Manufacturing Engineering)

**Emergency Phone Number (24 Hour):** Chemtrec 1-800-424-9300 (For Hazardous Materials (or Dangerous Goods) Incident, Spill, Leak, Fire, Exposure or Accident)

**Emergency Phone Number (Outside U.S. and Canada):** Chemtrec +01 703-527-3887 (collect calls accepted)

**Product Numbers:** Black Thermal Transfer Ribbon (TTR)

**Chemical Name:** Black TTR Ribbon

**Date SDS Prepared:** 6/3/2015

This SDS has been prepared for the purposes of Hazard Communication, under 29 CFR 1910.1200.

### SECTION 2 *Hazards Identification*

**This product is not considered hazardous to man or the environment under normal conditions of use. These products are considered "articles" as defined by OSHA 29CFR 1910.1200, Canadian WHMIS and the EC Directives.**

#### GHS Label Elements

**Pictograms:** None

**Signal Word:** None

**Hazard Statements:** None

**Precautionary Statements:** None

#### Potential Health Effects:

**Inhalation:** No significant irritation other than possible mechanical irritation.

**Ingestion:** No significant irritation other than possible mechanical irritation.

**Skin Contact:** No significant irritation other than possible mechanical irritation.

**Eye Contact:** No significant irritation other than possible mechanical irritation.

**Medical Conditions Aggravated by Exposure:** None currently known.

### SECTION 3 *Composition/Information on Ingredients*

Contents	Percent by Weight	CAS No.	OSHA PEL	ACGIH TLV	LISTED CARCINOGEN (IARC/OSHA/NTP)
Modified Hydrocarbon Waxes	10% - 15%	Various			No
Synthetic Waxes	10% - 15%	Proprietary			No
Acrylic Resins	5% - 10%	Proprietary			No
Carbon Black	5% - 10%	1333-86-4	3.5 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>	IARC 2B (See Section 11)
Polyethylene Terephthalate Film	70% - 80%	25038-59-9			No

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**SECTION 4** *First-Aid Measures*

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**Eye Contact:** Flush with copious amounts of water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. If irritation develops, seek medical attention.

**Skin Contact:** Wash thoroughly with soap and water. If irritation develops, seek medical attention.

**Inhalation:** Remove to fresh air. If breathing is affected, seek medical attention.

**Ingestion:** If ingested, get medical assistance.

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**SECTION 5** *Fire-Fighting Measures*

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**Flash Point:** Not Applicable

**Extinguishing Media:** Water spray, foam, and dry chemical

**Special Fire Fighting Procedures:** Wear normal fire fighting protective equipment, such as SCBA, in buildings or confined spaces.

**Unusual Fire and Explosion Hazards:** No special requirements. Irritating and toxic substances may be emitted upon combustion, burning, or decomposition of the ribbon.

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**SECTION 6** *Accidental Release Measures*

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**Spill Procedure:** Contain and remove by mechanical means. Dispose in accordance with Federal, State, and Local regulations.

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**SECTION 7** *Handling and Storage*

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There are no special storage requirements.

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**SECTION 8** *Exposure Controls/Personal Protection*

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<b>Ingredients</b>	<b>CAS No.</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>
Carbon Black	1333-86-4	3.5 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>

**Eye Protection:** It is a good industrial hygiene practice to minimize eye contact. Safety glasses must meet ANSI specifications.

**Respiratory Protection:** No special respiratory protection required.

**Ventilation:** Provide sufficient mechanical ventilation.

**Protective Clothing:** Use protective gloves and clothing appropriate for the risk of exposure.

**Work and Hygienic Practices:** Eye wash and shower facility should be available. Practice good hygiene and maintain a clean work environment.

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**SECTION 9** *Physical and Chemical Properties*

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**Color:** Black

**Physical State:** Coated Ribbon

**Appearance:** Product consists of polymers and clay coated on plastic film and wound onto a plastic or cardboard core.

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**SECTION 10**                    *Stability and Reactivity*

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**Stability:** Stable

**Conditions to Avoid:** None

**Incompatibility (materials to avoid):** None known.

**Hazardous Polymerization:** Will not occur.

**Hazardous Decomposition Products:** Produces normal products of combustion.

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**SECTION 11**                    *Toxicological Information*

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No toxicity studies have been conducted on this product. As with all materials for which test data are limited or do not exist, caution must be exercised through the prudent use of protective equipment and handling procedures to minimize exposure.

**Carbon Black:** In its Monograph Volume 65, issued in April 1996, the International Agency for Research on Cancer (IARC) re-evaluated carbon black and concluded that, "there is inadequate evidence in humans for the carcinogenicity of carbon black".

The carbon black used contains less than 0.1% of adsorbed PAHs (polynuclear aromatic hydrocarbons). In non-adsorbed form, some PAHs have been found to be carcinogenic in animal studies. No correlating carcinogenic effect, however, has been observed in humans due to exposure to carbon black. There are still ongoing scientific discussions on the relevance of tumorigenic response in rats to inorganic insoluble particles like carbon black. Many inhalation toxicologists believe that the tumor response observed in the referenced rat studies is species specific and does not correlate to human exposure. However, the IARC evaluation in Monograph 65 concluded that there is "sufficient evidence in experimental animal for the carcinogenicity of carbon black".

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**SECTION 12**                    *Ecological Information*

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**Environmental Fate:** No data available at this time.

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**SECTION 13**                    *Disposal Considerations*

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**Waste Disposal Method:** Dispose of product in accordance with local, state, and federal regulations.

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**SECTION 14**                    *Transport Information*

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US DOT or IATA/ICAO does not regulate these products as hazardous materials for transportation.

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**SECTION 15**                    *Regulatory Information*

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**Toxic Substances Chemical Inventory (TSCA):** This product (and/or all of its components) is in compliance with the U.S. EPA TSCA.

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**SECTION 16**                    *Other Information*

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**HMIS Hazard Rating:** Health – 1; Fire – 0; Reactivity – 0

**NFPA Hazard Rating:** Health – 1; Fire – 0; Reactivity – 0

**SDS Preparation Date:** 6/3/2015

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**DISCLAIMER:**

The information accumulated herein is believed to be accurate and represents the best data currently available. It is the user's responsibility to determine suitability of use. No warranty, expressed or implied, is made and IIMAK assumes no legal responsibility or liability resulting from its use. Materials comprising <1% by weight, or <0.1% by weight if the chemical is a carcinogen, are not listed herein.

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