



a Dai Nippon Printing  
company

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**Restricted Hazardous Substances Conformance Declaration  
Products and Packaging Materials**

In accordance with the European Union Directive (EN 2011/65/EU) on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS 2), DNP IMS America declares that the product(s) listed is/are in conformance with the criteria established below. In addition, none of these substances are intentionally added during production or used in the manufacturing process.

Product(s) Name: R316 Thermal Transfer Ribbon

<b>Substance</b>	<b>Internal Standard</b>	<b>RoHS Directive</b>
Cadmium and Cadmium compounds <sup>1</sup>	<5ppm	<0.01% (100ppm)
Lead and Lead compounds <sup>1</sup>	<100ppm	<0.1% (1000ppm)
Mercury and Mercury compounds <sup>1</sup>	Banned from Use	<0.1% (1000ppm)
Hexavalent Chromium compounds <sup>1</sup>	Banned from Use	<0.1% (1000ppm)
Polybrominated Biphenyls (PBB)	Banned from Use	<0.1% (1000ppm)
Polybrominated Diphenyl Ethers (PBDE)	Banned from Use	<0.1% (1000ppm)

**Banned from Use** –prohibited from use in product, parts or materials, unless otherwise noted or exempted.

Conformance to the standards above were determined through the following methods:

1. For Cadmium (Cd) and Lead (Pb): Specific testing and analysis by ICP method.
2. Other Substances are verified through ingredient lists, MSDS, supplier certifications, and manufacturer’s knowledge of the product(s) and manufacturing processes.

1. In packaging components, total of all 4 heavy metals must be <100ppm, and individual established standards must still be achieved, i.e <5ppm Cadmium and <100ppm Lead in plastic, rubber, paints and inks.