

**SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Identifier RICOH THERMAL PAPER TYPE N150LA-2			
Product Use Pressure Sensitive Direct Thermal Labels			
Manufacturer's Name Ricoh Electronics, Inc.			
Street Address 1125 Hurricane Shoals Rd.			
City Lawrenceville	State / Providence GA	Zip 30043	Country USA
Telephone 1-800-843-7058 / 1-949-263-2000	Fax 1-888-843-7059 / 1-949-263-2152		
Publisher's Name: Ricoh Company, Ltd.			
Street Address 146-1 Nishisawada			
City Numazu-shi	State / Providence Shizuoka-ken	Zip 410-0007	Country Japan
Telephone +81-55-920-1471	Fax +81-55-920-1479		
Emergency Telephone Number +81-55-920-1471			

**SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients	CAS No.	Contents (%)
Cellulose (Base Paper)	9004-34-6	80~85
Poly(vinyl alcohol)	Confidential	8~10
Inorganic Pigment	Confidential	3~5
Leuco Dye	Confidential	0.5~2.0
Phenol Derivative	Confidential	2~4

**SECTION 3 — HAZARDS IDENTIFICATION**

HAZARD	ACTION
Adverse Human Health Effects	Not applicable in normal use.
Carcinogenicity	This product does not contain the carcinogenic substances, which are listed in NTP, IARC and are regulated by OSHA.
Environmental Effects	Not applicable in normal use.
Physical and Chemical Hazards	Not applicable in normal use.
The Classification of The Chemical Product	Not Applicable

**SECTION 4 — FIRST AID MEASURES**

CONTACT	ACTION
Inhalation	Not applicable.
Skin Contact	Wash with water.
Eye Contact	Not applicable.
Ingestion	Induce vomiting.

**SECTION 5 — FIRE FIGHTING MEASURES**

METHOD	ACTION
Extinguishing Media	CO2, dry chemicals, foam or water.
Specific Method	No special fire protecting method is required.

**SECTION 6 — ACCIDENTAL RELEASE MEASURES**

PROCEDURE TYPE	ACTION
Personal Precautions	Not applicable.
Environment Precautions	Not applicable.
Methods for Cleaning Up	Not applicable.

**SECTION 7 — HANDLING AND STORAGE**

Handling Avoid water, oil and chemicals (for quality).
Storage: Store in cool and dry place avoiding sunshine (for quality).

**SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION**

Exposure Limits Not applicable.	
Engineering controls None needed.	
Personal protection	
Respiratory	None needed
Hand	None needed
Eye	None needed
Skin and Body	None needed

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State**

Form : Paper  
 Color : White  
 Odor : None

**Information**

pH : Not available Measuring Temp (°C) : -  
 Boiling Point (°C) : Not applicable  
 Flash Point (°C) : Not applicable  
 Explosion Properties (°C) : This product is considered a non-explosive material under normal use condition.  
 Vapor Pressure (Pa) : Not applicable Measuring Temp (°C) : -  
 Vapor Density (AIR=1) : Not applicable  
 Density (g/cm3) : Not available Measuring Temp (°C) : -

**Solubility**

Water Solubility (g/L) : Insoluble  
 Water Solubility Measuring Temp (°C) : -  
 Other Solvent name : -  
 Other Solvent Solubility (g/L) : -  
 Other Solvent Solubility Measuring Temp (°C) : -

**Octanol /Water Partition Coefficient**

Not known

**SECTION 10 — STABILITY AND REACTIVITY**

Conditions to Avoid	Not applicable in normal use.
Materials to Avoid	Not applicable in normal use.
Hazardous Decomposition Products	Will not occur.

**SECTION 11 — TOXICOLOGICAL INFORMATION**

Effects of Acute Exposure	
Acute Oral Toxicity Rat : $\geq 2000$ mg/kg	
Irritancy of Product Acute Skin Irritation (PII) : Non-irritant Acute Eye Irritation : Not applied Acute Allergenic Effects : Non-skin sensitive	
Skin sensitization Acute Skin Irritation (PII) : Non-irritant	Respiratory sensitization Acute Inhalation Toxicity : Not applicable
Carcinogenicity-IARC No data is available on this product.	
Reproductive toxicity No data is available on this product.	Teratogenicity Not available
Mutagenicity Negative	

**SECTION 12 — ECOLOGICAL INFORMATION**

Persistence/Degradability	Not known.
Bioaccumulation	Not available.
Ecotoxicity	
Acute Toxicity for Fish	Not available (mg/kg/96hr)
Acute Toxicity for Daphnia	Not available (mg/kg/48hr)
Algae Inhibition Test	Not available (mg/kg/72hr)

**SECTION 13 — DISPOSAL CONSIDERATIONS**

Recommended Methods for Safe Environmentally Preferred Disposal Used paper should be disposed in environmental safe manner and in accordance with governmental regulations.
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**SECTION 14 — TRANSPORT INFORMATION**

RID/ADR	Not applicable
DOT 49 CFR	Not applicable
ADNR	Not applicable
IMDG Code	Not applicable
ICAO-TI/IATA-DGR	Not applicable
The UN Classification Number	Not applicable
Specific Precautionary Transport Measures	Store in cool and dry place avoiding sunshine.
Specific Materials to Avoid	None in normal use condition.

SECTION 15 — REGULATORY INFORMATION

Not applicable.

SECTION 16 — OTHER INFORMATION

None.