

## 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)

DuraChrome, Summa DC2 & DC3 Thermal Transfer  
Resin Ribbons, CMYK

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

Summa, bvba.

Emergency Telephone Number

001-206-527-1050

Address:

Rochesterlaan 6  
8470 Gistel Belgium

Telephone Number for information

001-206-527-1050

Date prepared

Signature of Preparer (optional)

Hideichiro Takeda

### 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~ 86%)
Coating layer substances				
Acrylic resin (CAS No. 9011-14-7)				( 3~ 6%)
Polyester resin(CAS No. Confirmed)				( 2~ 4%)
Pigment Yellow(CAS No. 29920-30-8)				( 2~ 3%)
Pigment Yellow(CAS No. 77804-81-0)				( 2~ 3%)
Acrylic resin (CAS No. Confirmed)				( 2~ 3%)
Others				( 2~ 4%)

### Section III – Physical / Chemical Characteristic

Boiling Point	Not applicable	Specific Gravity (H2O=1)	About 1.2
Vapor Pressure (mmHg)	Not applicable	Melting Point	-
Vapor Density (AIR = 1)	Not applicable	Evaporation Rate (Butyl Acetate=1)	Negligible
Solubility in water Negligible			
Appearance and Odor COLOR			

### Section IV - Fire and Explosion Hazard Data

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

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OSHA 174, Sept. 1985

November 20, 2006

## Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid None
	Stable	o	

Incompatibility (Materials to Avoid)  
None

Hazardous Decomposition or Byproducts  
CO,CO2,NOX and H2O etc.

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

## 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)  
All the ingredients are negative mutagenic(Test species ;S. typhimurium )

Carcinogenicity:	NTP? No	IARC Monographs? No	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
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Other Protective Clothing or Equipment  
None

Work/Hygienic Practices  
None

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