

# Material Safety Data Sheet

## IDENTITY

THERMAL TRANSFER FILM RIBBON - S21

### SECTION 1- MATERIAL & COMPANY INFORMATION

<u>Manufacturers Name</u> DYNIC CORPORATION	<u>Emergency Telephone Number</u> (029) 2048 3973
<u>Address</u> Unit 7 Trident Business Park Ocean Way, Cardiff, UK	<u>Telephone Number for Information</u> (029) 2048 3973
<u>Signature of Prepared</u> <i>A. Edwards</i>	<u>Date Prepared</u> 26 <sup>th</sup> Mar 2012

### SECTION 2 – HAZARDS IDENTIFICATION

GHS Classification

Health Hazards :

Carcinogenicity Category 2

It doesn't correspond to the other classification criterion.

GHS Label Display



Danger and hazardous property : Potential carcinogen, not sufficient data to know.

Environmental Hazards : There is no data concerning detrimental effects on the environment

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Predominant Components	CAS No.
Polyethylene Terephthalate Film	25038-59-9
Natural Wax	8006-44-8
Paraffin Wax	8002-74-2
Carnauba Wax	8015-86-9
Phenolic Resin	Unpublished
Carbon Black	1333-86-4
Ketone Resin	Unpublished
Amide Wax	Unpublished
Calcium Carbonate	471-34-1
Polyurethane Resin	None
Ethyl-Vinyl Acetate Copolymer	24937-78-8

UN Category & Classified number

Not included in the category of Hazardous Products of UN definition

#### SECTION 4 – First Aid Measures

**Skin Contact** : If material causes irritation wash with soap and water. if irritation persists seek medical advice

**Eye Contact** : In case of contact with eyes, rinse with water, if irritation persists seek medical advice

**Ingestion** : If swallowed rinse mouth with water & seek medical advice

**Inhalation** : Not Applicable

#### SECTION 5 – Fire Fighting Controls

**Extinguishing Media** : Water mist, Dry Powder, CO<sub>2</sub> gas, Others

**Unusual Fire and Explosion Hazard** : None.

**Protective Equipment** : Breathing apparatus should be worn

**Flash Point** : Over 200 °C

**Lower Explosion Limit**: Not Applicable

**Special Fire Fighting Procedure** : No special Procedures

#### SECTION 6 – Accidental Release Measures

Clean & Remove

#### SECTION 7 – Handling and Storage

**Handling** : Wash thoroughly after handling and before eating or smoking. Eye protection is recommended if ribbon is being slit or cut. Use adequate ventilation.

**Storage** : Store in a position sheltered from light and at temperatures 5° - 35° C and at a relative humidity of 30 % - 80%

#### SECTION 8 – Exposure Control/Personal Protection

**Respiratory Protection** : Not necessary if used under normal handling conditions

**Ventilation** : Not necessary if used under normal handling conditions

**Eye Protection** : Not Applicable

**Protective Gloves** : Required in some cases

**Other** : None

#### SECTION 9 – Physical & Chemical Properties

Boiling Point : Above 200 °C

Specific Gravity : N/A

Colour : Black

Melting Point : About 120 ± 10 °C

Appearance : Film

Evaporation Rate : N/A

Soluble in Water : Insoluble

Polyethylene terephthalate film coated with solid black ink

#### SECTION 10 – Stability and Reactivity

Flash Point: About 200 °C

Autoignition : Not Applicable
Chemical reaction with Water : None at room temperature
Dust Explosibility : Not Applicable
Stability and Dangerous reaction : Stable and will not occur
<b>SECTION 11 – Toxicological Information</b>
Skin Corrosivity : None  Skin & Eye irritant : None Acute Toxicity : No data available Cancer causing Property : Carbon Black, IARC Group 2B based on inadequate evidence in humans
<b>SECTION 12 – Ecological Information</b>
Aquatic Toxicity : No data available  Degradability : No data available  Bioaccumulation : No data available
<b>SECTION 13 – Disposal Consideration</b>
Disposal of scrap film from slitting or used ribbon in accordance with local and national regulations in an environmentally safe manner.
<b>SECTION 14 – Transport Information</b>
ICAO: Not regulated <span style="float: right;">IMDG code: Not regulated</span>
ADR/RID: Not regulated <span style="float: right;">DOT (USA): Not regulated</span>
<b>SECTION 15 – Regulatory Information</b>
Material is not dangerous as defined by directive 67/548/EEC Complies with following national chemical requirements EINECS, TSCA, DSL, AICS and ENCS
<b>SECTION 16 – Other Information</b>
None.

This Material Safety Data Sheet (MSDS) is not a safety guarantee. MSDS is based on the data which we are aware of and is believed to be correct as of the prepared date. Therefore the contents of MSDS may change with no information, subject to the revision of the related law and new concept. In the case of handling the product, refer to this MSDS and take necessary procedures based on the users responsibility.