



*BTS Specialty Films*

## **SAFETY DATA SHEET**

1. **PRODUCT NAME:** **BTS110**
2. **COMPOSITION / INFORMATION ON INGREDIENTS:**

### **GENERAL DESCRIPTION OF CHEMICAL CHARACTER:**

Thermal Transfer Ribbon with heat transferable coatings.

Chemical characteristics:   PET Carrier  
  Wax  
  Carbon Black  
  Resin & etc

<b>HAZARDOUS INGREDIENTS</b>	<b>CAS NO.</b>	<b>RISK PHRASES</b>
None	Not Applicable	Not Applicable

---

### **3. HAZARDS IDENTIFICATION.**

#### **RISKS FOR HUMAN HEALTH**

This product is relatively innocuous substance and is not expected to cause harm. Mechanical irritation of eyes, nose and throat may occur if slitting. Suggest 10mg/Cu.M for inert or nuisance particulate if debris is generated during slitting, etc.

#### **ENVIRONMENTAL RISKS**

No data available

---

### **4. FIRST AID MEASURES.**

<b>SKIN</b>	If irritations are felt after contact with skin, wash with plenty of mild soap and water.
<b>EYES</b>	In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes and seek medical advice.
<b>INGESTION</b>	If swallowed, get medical attention.

## 5. FIRE FIGHTING MEASURES

<b>EXTINGUISHING MEDIA:</b>	FOAM, Dry Powder, CO2, Water.
<b>UNUSUAL FIRE AND EXPLOSION HAZARD</b>	In case of fire do not breath fumes. Particular risk arising from the products/products of combustion/ generated gases, carbon monoxide, carbon dioxide.
<b>PROTECTIVE EQUIPMENT</b>	Breathing apparatus should be worn.

---

## 6. ACCIDENTAL RELEASE MEASURES

Not Applicable

---

## 7. HANDLING & STORAGE

<b>HANDLING</b>	Wash thoroughly after handling and before eating or smoking. Eye protection is recommended if ribbon is being slit or cut. Use adequate ventilation- nuisance particles are being generated.
<b>STORAGE</b>	Store in air atmosphere, sheltered from light and at temperature below 40 degrees C. Avoid proximity of flame and heat sources. Store 24 hours in room temperature before slitting.

---

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>TECHNICAL PROTECTION MEASURES</b>	This product will slowly photo degrade with UV light exposure, shelter from light.
<b>PERSONAL PROTECTIVE EQUIPMENT</b>	Goggle for eye production and particle mask for nose and throat protection during slitting process.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>FORM</b>	Ink coated film.
<b>COLOR</b>	Black
<b>ODOR</b>	Little or no odor
<b>CHANGE IN PHYSICAL</b>	Not Applicable
<b>MELTING POINT / MELTING RANGE</b>	Ink: 70 +, -5 degrees C Film: 256~265 degrees C
<b>BOLING POINT / RANGE</b>	Not Applicable
<b>FLASH POINTS</b>	> 150 degrees C
<b>IGNITION TEMPERATURE</b>	Not Applicable
<b>DANGER OF EXPLOSION</b>	Not Applicable
<b>EXPLOSION LIMIT</b>	Not Applicable
<b>VAPOR PRESSURE</b>	Not Applicable
<b>SOLUBILITY</b>	Not Applicable
<b>PH-VALUE</b>	Not Applicable
<b>VISCOSITY</b>	Not Applicable

---

## 10. STABILITY AND REACTIVITY

<b>STABILITY</b>	Stable
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Terephthalic acid, CO and aldehyde above 300 degrees C

---

## 11. TOXICOLOGICAL INFORMATION

<b>HEALTH EFFECTS</b>	None known
<b>ACUTE TOXICITY</b>	Not tested

### Other Information:

This product has been formulated to ensure that it complies with EN-71; part 3; that is the foil will contain level below those listed below. This legislation concerns itself with the action of specific heavy metals under certain human conditions. The limits for which are listed here:

Lead	Pb	90 ppm
Cadmium	Cd	75 ppm
Chromium	Cr	60 ppm
Arsenic	As	25 ppm
Antimony	Sb	60 ppm
Mercury	Hg	60 ppm
Barium	Ba	500 ppm
Selenium	Se	500 ppm

**12. ECOLOGICAL INFORMTAION**

<b>AQUATIC TOXICITY</b>	Not Available
<b>BIODEGRADABILITY</b>	Not Available
<b>EFFECT ON EFFLUENT TREATMENT</b>	Not Available

---

**13. DISPOSAL CONSIDERATION**

<b>DISPOSAL DEFINITION</b>	Scrap film from slitting, ribbon after printing barcode.
<b>WASTE DISPOSAL</b>	Disposal in accordance with local state and federal regulations.

---

**14. TRANSPORT INFORMATION**

No special

---

**15. REGULATORY INFORMATION**

No special

---

**16. OTHER INFORMATION**

No liability is accepted for any injury, loss damage or cost arising directly or indirectly from the use of any information contained within this MSDS since the customer's treatment of the product is necessarily out of our control.

---

The data compiled above is based on current knowledge and experience. The purpose of this Safety Data Information is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products workability.

---