



BTS Specialty Films

SAFETY DATA SHEET

- 1. PRODUCT NAME: BTS113**
- 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

HAZARDOUS INGREDIENTS	CAS NO.	RISK PHRASES
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.

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

5. FIRE FIGHTING MEASURES

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

6. ACCIDENTAL RELEASE MEASURES

Not Applicable

7. HANDLING & 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- nuisance particles are being generated.
STORAGE	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

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

9. PHYSICAL & CHEMICAL PROPERTIES

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

10. STABILITY AND REACTIVITY

STABILITY	Stable
HAZARDOUS DECOMPOSITION PRODUCTS	Terephthalic acid, CO and aldehyde above 300 degrees C

11. TOXICOLOGICAL INFORMATION

HEALTH EFFECTS	None known
ACUTE TOXICITY	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

AQUATIC TOXICITY	Not Available
BIODEGRADABILITY	Not Available
EFFECT ON EFFLUENT TREATMENT	Not Available

13. DISPOSAL CONSIDERATION

DISPOSAL DEFINITION	Scrap film from slitting, ribbon after printing barcode.
WASTE DISPOSAL	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.
