

# PRODUCT SAFETY DATA SHEET

## PRODUCT NAME: MORAFAST ENCAPSULATING FILM



### 1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

#### Material Identification

Morafast encapsulating film. This is a coated film product

Product Use

Used in the protection of printed media such as brochures, documents and posters

Company Identification

Payne

Wildmere Road

Banbury, Oxon

OX16 3JU

Telephone: 01295 265601

Fax: 01295 251109

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Morafast encapsulation films are made from:

Polyethylene Terephthalate

Polyethylene copolymer

### 3. HAZARD IDENTIFICATION

This product is not classified as dangerous. There are no known health hazards.

**Classification/Symbol** – Not regulated

#### Physical and Chemical hazards/Fire and Explosion hazards

Film can burn if exposed to a continuous ignition source. During a fire the film will melt and may form drops that could propagate the fire.

- Toxic gases may form on combustion (see section 5)
- Toxic gases may form on decomposition (see section 10)
- Material in the form of dust can pose a respiratory hazard.
- Product can accumulate electrostatic charge when rubbed chafed or abraded. Static discharge in the presence of volatile or flammable mixtures presents a potential fire or explosion hazard.

### 4. FIRST AID MEASURES

#### Inhalation

No specific intervention is required as the compound is not likely to be hazardous by inhalation. However, if exposed to fumes from overheating or combustion remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician if necessary.

#### Skin Contact

The compound is not likely to be hazardous by skin contact but cleansing the skin after use is advisable. If molten material gets on skin, cool rapidly with cold water. Do not attempt to remove material from skin. Obtain medical treatment for thermal burn



## **Ingestion**

Ingestion is not an expected route of exposure during normal use of the product. If ingested, consult a physician.

## **5. FIRE FIGHTING MEASURES**

### **Fire fighting procedures**

- Use water spray to protect personnel and cool exposed surfaces.
- Use extinguishing media appropriate to surrounding materials to extinguish the fire.

### **Special Fire Precautions**

- Respiratory and eye protection is required for fire fighting personnel.
- See sections 4 and 10.

### **Hazardous Combustion Products**

- Under oxygen lean conditions, carbon monoxide and irritating smoke may be produced.

## **6. ACCIDENTAL RELEASE MEASURES**

### **Safeguards**

Review section 5 and section 7 before proceeding with clean up. Use appropriate personal protective equipment during clean up.

### **Spill Clean up**

Film and film scraps can create a slip hazard. Collect product for recovery or disposal.

## **7. HANDLING AND STORAGE**

### **Handling (Personnel)**

- Avoid skin contact with sharp film edges.
- Do not breath in dust created during processing eg by milling or grinding.
- Do not breathe in vapours or fumes that may be evolved during processing.

### **Handling (Physical Aspects)**

- Rolls of film may telescope. Use caution when handling

### **Storage**

- Store away from heat and sources of ignition. Do not store in direct sunlight. Avoid prolonged storage in high or low temperatures. Recommended storage temperatures are 0°C to 38°C.

## **8. EXPOSURE CONTROL/PERSONAL PROTECTION**

### **Engineering Control Measures/Ventilation**

- General exhaust is acceptable except where overheating can occur during processing.
- Movement of film over metal or rollers will produce a surface static charge on the film. Consider processing design measures to reduce or dissipate this charge and eliminate the possibility of unwanted electrical discharge to people, equipment and materials.



### Personal Protective Equipment

- Wear safety glasses
- Respirators are not necessary under normal use.
- Wear suitable gloves to protect from film cuts.

### Exposure Guidelines

The following values apply to nuisance dust which may be formed during cold processing (e.g. cutting, grinding, stamping).

UK EH 40 OES	Total dust	10mg/m	(8hr TWA)
	Respiratory dust	5mg/m	(8hr TWA)

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Upper melt temperatures (Deg C)	film 255-260 Adhesive 100
Specific heat	1.34 KJ/KG@ 25 Deg C
Heat of combustion	23.5 MJ/KG
Density (g/ml)	1.010 - 1.270
Decomposition temperature (Deg C)	250
Solubility (water)	insoluble

### 10. STABILITY/REACTIVITY

Hazardous Decomposition Product (s)	Products of decomposition are, carbon dioxide, carbon monoxide and flammable hydrocarbons
Hazardous Reactions	None known. Chemically inert.
Polymerisation	Polymerisation will not occur.
Materials and conditions to avoid	Strong oxidising agents

### 11. TOXICOLOGICAL INFORMATION

#### Inhalation

- Negligible hazard at ambient temperature.
- Dust may be irritating to eyes and respiratory tract.

#### Skin Contact

- Negligible hazard at ambient temperature
- Exposure to hot material will cause thermal burns.

#### Eye contact

- Particulates may scratch eye surfaces/cause mechanical irritation.

#### Ingestion

- Minimal toxicity

### 12. ECOLOGICAL INFORMATION

#### Environmental Mobility

- This is a polymeric film, is insoluble in water and floats

### **Environmental Degradability**

- This substance is expected to persist

### **Ecotoxicology**

- No information is available. Toxicology is expected to be low as film is not soluble in water. Films are not biodegradable.



### **13. DISPOSAL CONSIDERATIONS**

Suitable routes of disposal for this product are incineration in appropriate incinerators with energy recovery, disposal in landfills or appropriate recycling methods.

Care should be taken to ensure compliance with EC, national and local regulations.

### **14. TRANSPORT INFORMATION**

This product is not regulated for following forms of transport:

- Land (railroad/road – RID/ADR)
- Inland waterways (AND/ADNR)
- Sea (IMDG)
- Air (ICAO/IATA)

### **15. REGULATORY INFORMATION**

Classification and labelling according to EEC Directives

**Classification/Symbol** – Not classified

### **16. OTHER INFORMATION**

Last revision date 10th March 2006.

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

For other technical information contact the address in Section 1