

### 1 – Identification of substances:

Product Name: Composites Shrink Tape

Product identification: BOPP Film (BOPP – Biaxially Oriented Polypropylene Film)

Product application: Plastics film for composites use.

Manufacturer/Supplier: Easy Composites Ltd

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### 2 – Hazards identification

At normal conditions of usage, this product does not present hazards.

Inhalation: If heated to 235°C, the product may form vapours of fumes, which may cause respiratory irritation.

Skin contact: The contact with hot molten material may cause severe burns.

Eye contact: If heated to 235°C, the product may form vapours of fumes, which may cause irritation to the eyes.

Ingestion: This material is biologically inert.

Environmental impact: This product is none biodegradable and non compostable.

Physicochemical hazards: The material is combustible if exposed to flames. Handling of material may create electrical charges and sparks which may be a cause of ignition for other flammable materials.

### 3 – Composition / information on ingredients:

Chemical characterisation:

CAS no. Designation: 9003-07-0

Description: Polypropylene (PP)

### 4 – First Aid measures:

The measures listed below apply to critical situations (fire, incorrect process conditions). At room temperature, the product is neither an irritant nor releases hazardous vapours.

Inhalation: Fumes and vapours produced by heated or burned material may be irritating for the respiratory tract. In case of excessive inhalation of fumes move the person to fresh air.

Call for medical help. Keep the person warm and if necessary give mouth-to-mouth resuscitation or artificial respiration.

Skin contact: After contact with the molten product, cool rapidly with cold water. Do not attempt to detach molten product adhering to the skin or to remove clothing attached with molten material. Call for medical help. Injured areas should be treated as burns.

Eye contact: IN case of exposure to hot molten material, rinse opened eye for several minutes under running water. Call for medical help. In case of irritation caused by vapours or fumes, wash with water and call for medical help.

Ingestion: Get medical advice.

### 5 – Fire fighting measures:

Suitable extinguishing agents: Water haze, CO<sub>2</sub>, Foam, Chemical powder.

Technical measures: Stop the fire spreading. Call the fire brigade immediately.

Evacuate non-essential personnel. Use protective equipment.

Special hazards caused by the material, its products of combustion or resulting gases:

In case of fire it can release:

Water (H<sub>2</sub>O), carbon dioxide (CO<sub>2</sub>) and when lacking oxygen (O<sub>2</sub>), carbon monoxide (CO).

The products of the burning are dangerous.

The formation of hydrocarbons and aldehydes are possible in the initial stages of fire (especially in between 400°C and 700°C).

Protective equipment: Put on breathing equipment.

### 6 – Accidental release measures:

Person-related safety precautions: No specific measures are required. See point 8.

Measures for environmental protection: No specific measures are required. See points 12 and 13. Measures for cleaning/collecting: See point 13. Material may be collected for re-use or recycling, if not contaminated by external agents.

### 7 – Handling and storage:

Handling: No special requirements are necessary, if the material is handled at room temperature. Film reels and pallets are heavy. Film edges are sharp and may cause cuts. Handle the material carefully.

Take precautionary measures to prevent the formation of static electricity.

Storage conditions: Store at room temperature, in a dry and well ventilated place, protected from sunlight, in the original packaging.

It should be checked if the pallets fit the racks.



Do not smoke.

Store away from heating sources.

### **8 – Exposure controls and personal protection:**

Standard usage conditions of material do not generate the formation of dust particles.

General protective and hygienic measures:

Do not eat or drink while working.

Do not smoke or fire.

Provide a system for collecting the vapours which are created during the working process.

Eye protection: Not required in case of standard usage of the material. If contact with hot molten material is possible, wear face protection.

Skin protection: Normal working clothes in case of standard usage of the material. If contact with hot molten material is possible, wear heat insulating clothes and gloves and protective mask.

### **9 – Physical and chemical properties:**

Physical state: Plastic film.

Appearance/Colour: Transparent (metallised, coloured or printed, when requested by the Customer).

Odour: Odourless

Melting range: 130 - 170°C.

Solubility in water: Insoluble.

### **10 – Stability and reactivity:**

The material is considered stable and chemically inert at normal handling and storage conditions. The material is combustible if exposed to flames. Handling of material may create electrical charges and sparks which may be cause of ignition of other flammable materials.

### **11- Toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

### **12 – Ecological information:**

This product is not biodegradable. Can be recycled using adequate technology.

### **13 – Disposal considerations:**

Waste disposal: Always dispose of in accordance to local regulations. The material can be re-used or recycled. (Directive 94/62/EC). Disposal through controlled incineration or authorised waste dump.

### **14 – Transport information**

According to national and international guidelines, which regulate the road, rail, air and sea transport, this material is classified as not dangerous.

### **15 – Regulatory information:**

The material is not classified as dangerous according to EC guidelines.

### **16 - Other information:**

This information relates only to specific material designated in this document, in its original form, as supplied by the manufacturer/supplier. It is the buyers/users responsibility to ensure that his activities comply with all local or national laws. Since conditions for use of the product are not under the control of the manufacturer, it is the buyers/users duty to determine the conditions necessary for the safe use of this product.

The information supplied has been based upon the current level of available information, for the purpose of specifying the requirements regarding environment, health and safety in conjunction with the product. They are not to be interpreted as a warranty for specific product characteristics. Easy Composites Ltd takes no responsibility for inappropriate use, processing and handling by purchasers and users of the product.