

## 1) Identification of the Product

- Product name: : **CPP Film**
- Brand names : **(1) Lamination CPP Film (2) Metalized CPP Film**
- Chemical Name : **Cast Polypropylene**
- Chemical family : **Polypropylene**
- Application of the product : **Lamination and Conversion, Confectionary Packaging, Surface Printing, Decorative application, and Cosmetic packaging.**

## 2) Company Identification

- Manufacturer's name and Address : **Ismail Industries Limited**
- Telephone number : **(+92-21) 3415 4171 – 75**

## 3) Composition / Information on Ingredients

Component Name	Proportion (%)
Homopolymer	>80.00
Copolymer	>14.00
Other Additives	> 6.00

## 4) Hazards Identification

No specific danger is associated to the normal industrial utilization of the product. However, it is to be considered that plastic film left on the ground of working areas can be slippery, and that during converting of the film rolls electrostatic discharge can be generated.

- Most important hazards : **None**
- Inhalation : **If Heated To 235 °C, the product may form vapors or fumes, which may cause irritation in eye or respiratory tract.**
- Skin Contact : **The contact with hot molten material may cause severe burns.**

## 5) First Aid Measures

- Inhalation / Ingestion : **Considering the physical form of the product, inhalation / ingestion is unlikely to occur during normal use. In case of adverse exposure to vapors at elevated temperatures, immediately remove the affected person from exposure to fresh air. Provide and administer artificial respiration if breathing is stopped and keep the affected person at rest. Medical attention should be obtained immediately.**
- Eye Contact : **If exposed to hot molten material, wash the eyes with cold water. Seek immediate treatment at hospital or medical center. In case of irritation caused by vapors/ fumes, wash the eyes with copious volumes of water and seek medical advice.**
- Skin Contact : **If burned by contact with hot material, molten material adhered to skin should be cooled as quickly as possible with water and, see a physician for removal of adhered material and treatment of burn.**

## 6) Fire Fighting Measures

Polypropylene film will burn if exposed to flames, giving off harmful fumes that should not be inhaled. Molten droplets of polymer could be produced, which could ignite adjacent flammable and combustible material.

- Suitable Extinguishing Media : **CO<sub>2</sub>, Haloon, AFFF (Aqueous Film-Forming Form), Water Spray & (Mist) are to be used to cool the surfaces exposed to fire. clothing should be worn.**
- Instructions : **1) Once extinguished, ensure an extended cooling down period to prevent re-ignition.**  
**2) If the material on the floor catches the fire, evacuate the area immediately.**  
**3) Fire fighters should use standard protective equipment and in enclosed places, self-contained breathing apparatus should be used.**  
**4) Use water spray to cool surfaces exposed to fire and to protect personnel.**  
**5) Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.**

## 7) Handling & Storage

- Edges of heavy films rolls and pallets are very sharp and may cause cuts/ wounds. Due care should be given while handling of material.
- Store at suitable temperature and humidity (preferably 25°C, 50% relative humidity) in original packing.
- Store away from heating sources.
- Avoid static electricity build-up.
- When pallets are stored in packs, it should be ensured that pallets fit the racks.

## 8) Physical and Chemical Properties

- Softening point/ range : **160°C – 175°C**
- Melting Point : **245°C – 255°C**
- Density : **0.91 g/cm<sup>3</sup>**
- Viscosity : **Not applicable**
- Solubility in Water : **Insoluble**
- Ph Value : **Not applicable**
- Freezing Point : **Not applicable**

## 9) Stability & Reactivity

- Stability : **The product is stable at normal handling and storage condition (up to 35°C, 48 RH)**
- Hazardous Reaction: **a) The material is combustible if exposed to flames.**  
**b) Handling of material may create electrical charges and sparks, which might cause inflammation.**



- Products : **Material does not decompose at ambient temperature.**
- Avoid conditions as: **a) Contact with strong oxidizing materials and fluorine.**  
**b) Proximity or contact with flames or heat of exceeding temperatures.**

### 10) Disposal Considerations

Material can be recycled or may be disposed of or incinerated in accordance with local official regulations.

### 11) Transport Information

- Land Transport : **Not restricted**
- Sea Transport : **Not restricted**
- Air Transport : **Not restricted**
- Other information : **Not classified**

### 12) Regulatory Information

- Film complies with the U.S. Food & Drug Administration & EU regulations and with other sources of literature known to us.
- Observe the general regulations when handling chemicals.

### 13) Other Information

- The information relates only to the specific material designated and may not be valid for such materials used in combination with any other materials or in any process.
- The information or recommendation given here are to the best of our knowledge and belief accurate and reliable as of the date indicated.
- Condition of use of the material are under the control of the user, therefore, it is the user's responsibility to satisfy himself as to the suitability and completeness of such information of his own particular use.