





## 4. FIRST - AID MEASURES

Inhalation / Ingestion	Considering the physical form of the product, inhalation / ingestion are not Likely to be possible during normal use. In case of adverse exposure to vapors at elevated temperatures, immediately remove the affected person From exposure to fresh air. Administer artificial respiration if breathing is Stopped. Keep at rest. Medical attention should be obtained immediately.
Skin Contact	If burned by contact with hot material, molten material adhering to skin should be cooled as quickly as possible with water and see a physician for Removal of adhering material and treatment of burn.
Eye Contact	Polypropylene flakes or dust particles are not dangerous, but may cause Eye irritation due to their mechanical action. In special cases the use of a Protective facemask or eye goggles would be advisable. In the event of polypropylene flake or dust particles contacting the eyes, flush eyes with Water. If eye irritation persists seek medical advice.
Ingestion	No adverse effects due to ingestion are expected.

## 5. FIRE - FIGHTING MEASURES

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

Self-ignition Temperature	> 400°C
Hazardous Combustion Products	Smoke, Fume, Incomplete combustion products, Oxides of carbon (CO <sub>2</sub> , CO), Nitrogen oxides. The fire products are irritant and toxic. Assure an extended cooling down period to prevent re-ignition. Material will burn in a fire. Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.
Fire Fighting Instructions	Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.
Extinguishing Media	Use water fog, foam, dry chemical or carbon dioxide (CO <sub>2</sub> ) to extinguish flames.

## 6. ACCIDENTAL RELATED MEASURES

**NOTIFICATION PROCEDURES** :None required.

### SPILL MANAGEMENT

Land Spill	Not applicable; product is not a liquid or flowable powder
Water Spill	Warn other shipping. No immediate action required.



## 7. HANDLING AND STORAGE

### HANDLING

No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection advice when handling this product. Material can accumulate static charges which may cause an electrical spark (ignition source).

**Static Accumulator** This material is a static accumulator.

### STORAGE

The container choice, for example storage vessel, may effect static accumulation and dissipation. Store in a cool, dry place.

**Storage Temperature** 15°C (59°F) - 30°C (86°F)

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

During normal handling protective gloves and the usual protective equipment are recommended. If there is any possibility of contacting molten film (e.g. nearby the sealing bars or the heated rollers of packing machines), heat protective gloves are recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Relevant safety data

### Change in physical state:

Softening point / Range	160 - 171°C
Density	0.91 g/cm <sup>3</sup> (20°C)
Vapor pressure	N/A
Viscosity	N/A
Solubility in water	Insoluble
Ph-value	N/A
Boiling Point / Range	N/A
Flash Point	N/A
Freezing Point	N/D



## 10. STABILITY AND REACTIVITY

Stability	The product is stable at normal handling and storage conditions.
Conditions to avoid	None
Materials to avoid	Strong oxidizers
Hazardous decomposition products	Material does not decompose at ambient temperatures
Hazardous reactions	Will not occur

## 11. TOXICOLOGICAL INFORMATION

Non Toxic

## 12. ECOLOGICAL INFORMATION

When disposed of under orderly conditions no environmental damage occur. When burning under free air conditions only CO<sub>2</sub>, CO and water arises. Does not contain additives based on heavy metal like cadmium (Cd), lead (Pb), mercury (Hg) or chromium (Cr<sub>v</sub>).

## 13. DISPOSAL CONSIDERATIONS

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

## 14. TRANSPORT INFORMATION

Land transport	Not restricted
Sea transport	Not restricted
Air transport	Not restricted
Other Information	Not classified as dangerous goods

## 15. REGULATORY INFORMATION

Symbols	Not regulated
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## 16. OTHER INFORMATION

This 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 and recommendations contained herein are to the best of our knowledge and belief accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made with regards to accurate, reliability or completeness. Conditions of use of the material are under the control of the user therefore, it is the users responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.