

5. Fire fighting measures

5.1. Extinguishing media

- Suitable extinguishing media:** Water haze, carbon dioxide (CO₂), foam, dry chemical, halon, water spray (mist) only to cool the surfaces exposed to the fire.
- Unsuitable extinguishing media:** Do not use water jets (stick jets) for extinguishing fire, since they could help to spread the flames.

5.2 Special hazards arising from the substance or mixture

- Hazardous combustion products:** Polypropylene film will burn if exposed to flames, giving off harmful fumes, which should not be inhaled. Heat value – 8 000 – 11 000 kcal/kg. carbon dioxide (CO₂), carbon monoxide (CO). If the fire is big (temperature is between 400 °C and 700 °C) the formation of hydrocarbons and aldehydes is possible.

5.3 Advice for firefighters

- Use protective equipment:** Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA).

6. Accidental release measures

Collect the film spilled on the floor. It could cause falls, because of slipping. Put into labeled container and provide safe disposal.

7. Handling and storage

Information for safe handling

No special requirements necessary, if handled at room temperature. Avoid spilling the product, as this might cause falls.

Storage

Store under dry condition, away from heat sources, without direct sunlight or UV radiation and temperature

between 10 – 30 °C. Do not smoke. Ground equipment electrically.

Fire-fighting measures

Cut off the fire source.

8. Exposure controls and personal protection

General protective and hygienic measures	During normal handling protective gloves and the usual protective equipment are recommended. No special requirements under ordinary conditions of use and with adequate ventilation.
Respiratory Protection	Adequate ventilation should be provided whenever the material is heated or mists are generated. Provide system for collecting the vapors which are created during the working process.
Specific Hygiene Measures	Do not eat or drink while working. No smoking.
Hand Eye Skin and Body Protection	It is recommended that eye protection and protective gloves are worn at all the times during cutting and handling of stripping. If contact with hot molten material is possible ,wear heat-insulating and chemical-proof gloves and clothes as well as a face shield.

9. Physical and chemical properties

Form:	Flat flexible film
Colour:	Transparent, white or merallized
Odour:	Odourless
Melting point:	160-165 °C
Ignition temperature:	> 400 °C
Danger of explosion:	Product is not explosive
Density at 20 °C:	0.89 - 0.91 g/cm ³
Solubility in water:	Insoluble

10.Stability and reactivity

Thermal decomposition / conditions to be avoided:	The product is stable at normal handling and storage conditions
Materials to be avoided:	Strong oxidation agent
Dangerous reactions	No dangerous reactions known
Dangerous products of decomposition:	No hazardous decomposition products known

11.Toxicological information

Primary irritant effect:	
On the skin:	No irritant effect
On the eyes:	No irritant effect
Sensitization:	No sensitizing effect known

Total heavy metal content (Pb, Hg, Cd, Cr6) of all BOPP films is lower than 100 ppm.

12. Ecological information

Toxicity	The product is not toxic
Persistence and degradability	The product is not biodegradable
Bioaccumulative	There is no bioaccumulation potential.
Mobility in soil	The product is not mobility in soil
Ecological information:	The product can float on water. The product is not environmentally dangerous according EEC directives, small particles can have physical effects on water and soil organisms.

13. Disposal considerations

Disposal recommendation:	The material can be re-used or recycled according to official regulations. Disposal must be done according to all official regulations.
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14. Transport information

According to national and international guidelines, which regulate the road-, rail-, air- and seairtransport, this product is classified as not dangerous.

15. Regulatory information

The material is not subject to classification according to EC lists and other sources of literature known to us. Observe the normal safety regulations when handling chemicals.

16. Other information

The information supplied has been based upon the current level of information available, 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.

Last updated: 15. 01. 2020