



GENERAL PRODUCT SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION:

Product Name: Bioriented Polypropylene Film.

Internal code of product identification: BOPP

Application: The biooriented films are used in converting in general purpose, adhesive tapes, lamination, impression, labels, and more.

Company: POLO FILMS INDÚSTRIA E COMÉRCIO S.A.

Address: Dr. Renato Paes de Barros, 750 – 17º floor

Itaim Bibi – São Paulo – SP – Brasil – CEP 04571-010

Fone number: + 55 11 3478-5950

e-mail: contato@polofilms.com.br

2. INGREDIENTS COMPOSITION AND INFORMATION:

Type: prepared

Chemical Nature: Polypropylene, polymer CAS nº 9003-07-0

3. HAZARD IDENTIFICATION:

The films from POLO FILMS do not have specific hazards when used in an appropriated way and are not toxic to the environment. All films are non toxic and inert. The ingestion is not recommended.

It is a stable product and not flammable but can burn when exposed to flame and liberate prejudicial smoke to health that may not be breathe in.

According to the use conditions, polypropylene powder may be formed and exposure to it inhalation, contact to skin and eyes may occur.

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4. FIRST AID MEASURES:

According to the use conditions, polypropylene powder may be formed.

Skin contact: wash it off with water and soap thoroughly.

Eyes contact: wash the eyes with water thoroughly. After, see an eye specialist.

Inhalation: remove victim to out doors immediately. Medical attention is required in case of difficult breathing.

Ingestion: can cause throat obstruction when swallowed. Medical attention is required if it occurs accidentally.

5. FIRE FIGHTING MEASURES:

Explosivity Limit: not applicable.

Extinguishing means: in case involving POLO FILMS, films can be extinguished with the use of any fire extinguisher available. Restrictions can occur if any other material is present. In the presence of oxygen, the BOPP films will keep the flames, even if the ignition source has been removed.

Protection Equipment: complete equipment for fire fighting.

6. LEAKAGE OR ESCAPE CONTROL MEASURES:

Personal precautions: keep any participant away from the area.

Removal of ignition: keep it off any open flames. In the presence of oxygen, the BOPP films will keep the flames, even if the ignition source has been removed.

7. HANDLING AND STORAGE:

Conditions to be avoided: keep it away from any open flames and other ignition sources. Keep it off from sun and rain exposition.

Handling – ideal conditions: transport the wood pallets with a fork lift. Keep the films wrapped until its use.

Adequate work conditions: between 20°C to 35°C (68°F to 95°F).

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8. EXPOSITION CONTROL AND INDIVIDUAL PROTECTION:

Is not required individual protection equipment (EPI) to handle films from POLO FILMS.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical status: solid full

Odor: odorless

Color: pearlised white, transparent or metallized.

Auto ignition temperature: above 280°C (536°F)

Density: between 0,7g/cm³ – 1,0g/cm³.

Thickness: between 12µm – 50µm (47 gauge – 200 gauge).

Stability: stable.

10. STABILITY AND REACTIVITY:

Stability conditions: POLO FILMS are likely to develop electrostatic charges. POLO FILMS have antistatic agents added to them; however, static discharges may occur and cause ignition of solvent vapors, leading to an electric shock on operators.

Hazardous products of the decomposition: in case of fire, carbon monoxide and carbonic gas are formed.

11. TOXICOLOGY INFORMATION:

POLO FILMS are nontoxic, do not knowing carcinogen effects. In its composition, we do not use substances that can cause health injury.

12. ECOLOGICAL INFORMATION:

There are no known adverse effects on the enviroment.

In landfills, BOPP is stable, has very slow degradation and does not release any harmful substances to the environment. The films can be recycled or incinerated, also obtaining energy.

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13. CONSIDERATIONS ON TREATMENT AND DISPOSAL:

POLO FILMS residues can be recycled and incinerated, according to local laws. They are not sorted as special residue – garbage.

14. TRANSPORT INFORMATION:

Type: not dangerous.

According to International and National Rules, POLO FILMS are not considered dangerous for rail/road, air or sea/river transport.

15. REGULAMENTATIONS:

Non relevant.



Technical Responsible: *Rodrigo Chaves Serafini*

Review – July/2020

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