

SECTION 1: Identification of the product and of the company

1.1 Product identifier

Bioriented polypropylene plus ethylene copolymer film.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant uses: Graphic art lamination

Uses not recommended: Any use not specified in this section or in section 7.3.

1.3 Details of the supplier of the safety data sheet

TAGHLEEF INDUSTRIES S.L.

Avda. Iberoamérica, 56

23680, Alcalá la Real (Jaén) – Spain

Telephone: +34 953 59 81 00

E-mail: manuel.lopez@ti-films.com

taghleef.mediambiente@ti-films.com

Web site: www.ti-films.com

1.4 Emergency telephone number

+34 953 59 81 00 (From Monday to Friday during 08.30 am to 18.00 pm)

SECTION 2: Hazards identification

2.1 Classification of the product

According to Regulation 1272/2008/EC and Regulation 1907/2006/EC and subsequent amendments this product is not classified as dangerous.

2.2 Label elements

According to Regulation 1272/2008/EC and Regulation 1907/2006/EC and subsequent amendments for this product is not required a labelling.

2.3 Other hazards

- The product does not contain components considered to be either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

- The product does not contain components having endocrine disrupting properties in accordance with Article 59(1) of the Regulation (EC) 1907/2006 of the Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2108/605.
- The molten product adheres to the skin and cause burns.
- Risk of slipping due to the presence of material scattered on the floor.
- Avoid the accumulation of polypropylene plus ethylene copolymer powder. If it is not possible, avoid the accumulation of electrostatic charges or any other source of ignition. In these cases, it is advisable to consult an expert.

SECTION 3: Composition/information on ingredients

3.1 Substances

No applicable

3.2 Mixtures

Chemical Description: Bioriented polypropylene plus ethylene copolymer film.

This product does not contain any substances to be mentioned according to the criteria of section 3 of Regulation 1907/2006/EC annex II.

SECTION 4: First aid measures

4.1 Description of first aid measures

First-aid measures after inhalation:

Polypropylene plus ethylene copolymer powder is considered to be chemically inert. If inhaled, move affected person to fresh air and seek medical advice.

First-aid measures after skin contact:

The molten product adheres to the skin and causes burns: cool immediately the affected part with clean cold water (15 min.) and seek medical attention, do not remove in any case the solidified polymer from the skin.

First-aid measures after eye contact:

Flakes or powder of polypropylene plus ethylene copolymer may cause irritation to the eyes. In case of contact with eyes, rinse thoroughly with water and seek medical attention.

First-aid measures after ingestion:

Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed.

Symptoms/injuries after inhalation:

Inhalation of dust may cause irritation of respiratory system.

Symptoms/injuries after skin contact:

The melted product can cause severe burns.

Symptoms/injuries after eye contact:

Flakes or powder of polypropylene plus ethylene copolymer may cause irritation to the eyes.

4.3 Indication of any immediate medical attention and special treatment needed.

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Appropriate extinguishing measures:

All fire extinguishers, taking into account the environment in which the fire could develop. For example, the presence of other materials such as flammable solvents and electrical equipment may impose restrictions.

It is advisable to ask for specific guidance to the fire department.

Inappropriate extinguishing measures:

Not relevant

5.2 Special hazards arising from the substance or mixture.

In the event of combustion, hazardous fumes of various compositions may be developed, which must not be inhaled, which can be toxic or irritating. These fumes can include, but are not limited to, carbon dioxide (CO₂) and, in the absence of oxygen, carbon monoxide (CO) and aldehydes.

The polypropylene plus ethylene copolymer is not a flammable material, but will burn if exposed to flame and, in presence of sufficient oxygen, even if the source of ignition is removed, smouldering.

The ignition temperature of polypropylene plus ethylene copolymer is > 300 °C.

Molten polypropylene plus ethylene copolymer could ignite adjacent flammable and/or combustible materials.

5.3 Advice for firefighters

The fire-fighters must wear protective clothing and breathing apparatus.

SECTION 6: Accidental release measures
--

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency services personnel:

Avoid contact with molten product and inhalation of vapours or polymer powder.

In case of spillage of the melted material or pieces thereof, scoop up the product with shovels or other means and place it in a container for reuse (preferably) or disposal.

For emergency services personnel:

Wear protective equipment and keep away persons without protective equipment.

6.2 Environmental precautions

Avoid discharge in whole or in part into the aquatic environment.

6.3 Methods and material for containment and cleaning up.

Spillage should be collected to prevent slipping or sliding. In case of spillage of molten material or pieces of it, scoop up the product with shovels or other means and place it in a container for reuse (preferably) or disposal.

6.4 Reference to other sections

More detailed information on personal protective equipment is given in section 8 and more detailed information on waste disposal is given in section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

General precautions:

Be sure not to leave on the floor pieces of polypropylene plus ethylene copolymer film that can make it slippery.

Safety shoes and appropriate personal protective equipment must be always worn by the personnel involved in handling and moving the film reels.

Polypropylene plus ethylene copolymer film reels should be moved with appropriate equipment only.

Converting and Packaging Machinery:

In some polypropylene plus ethylene copolymer film a small number of antistatic additives is used in order to avoid the accumulation of electrostatic charges.

It is still recommended to equip the machines with appropriate anti-static systems to eliminate and neutralize the electrostatic charges.

Heat-Sealing:

Do not touch molten polymers or heat-sealing until cooled.

Recommendations on hygiene measures at work:

Do not eat, drink or smoke while handling the product.

Wash hands after handling.

Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities.

No special conditions are required for the storage of polypropylene plus ethylene copolymer films, but it is recommended to keep in a cool and dry place, below 30 °C.

The pallets must be stored and handled carefully in accordance with specific rules and/or safety standards.

It is recommended to act in accordance with the general rules relating to fire prevention.

Film Packaging:

It is recommended to wear appropriate eyes and hands protection systems during package removal.

7.3 Specific end use(s)

See Section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Polypropylene plus ethylene copolymer film does not generate dust under standard conditions. However, if dust is generated during handling and processing, the following limit value shall be considered:
Threshold Limit Value-Time Weighted Average (TLV-TWA) = Inhalable fraction 10 mg/m³ and Respirable fraction 3 mg/m³.

8.2 Exposure controls

Polypropylene plus ethylene copolymer films do not present a specific risk to health safety.

The powder polypropylene plus ethylene copolymer is considered to be chemically inert to present a low toxicity, normally it is not dangerous to health, although high concentration may cause irritation of the respiratory tract.

In this case, concentrations in air must be kept under the levels recommended for inert powders and it is recommended to use appropriate personal protective equipment to prevent inhalation.

Environmental exposure controls:

See Section 6

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: Solid
Colour	: Various
Odour	: Not relevant*
Melting point/freezing point	: 70-170 °C
Boiling point or initial boiling point and boiling range	: Not relevant*
Flammability	: Not relevant*
Autoignition temperature	: >300 °C
Lower and upper explosion limit	: Not applicable
Flash point	: Not relevant*
Auto-ignition temperature (Gas/Liquid)	: Not applicable

Decomposition temperature	: Not applicable
pH	: Not relevant*
Kinematic viscosity	: Not applicable
Solubility	: Not relevant*
Partition coefficient n-octanol/water	: Not relevant*
Vapour pressure	: Not relevant*
Density	: 0.91 – 0.95 g/cm ³
Relative vapor density	: Not relevant*
Particle characteristics	: Not relevant*

* Not relevant due to the nature of the product, providing no hazard characteristic information or no data available at the date of preparation of this document.

9.2 Other information

Combustion for energy recovery provides an average of 24 MJ/kg.

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions are expected.

10.2 Chemical stability

Chemically stable under specified conditions of storage, handling and use.

10.3 Possibility of hazardous reactions

Under the specified conditions, no dangerous reactions that could lead to excessive pressure or temperatures are expected.

10.4 Conditions to avoid.

Avoid direct contact with flames and high temperatures.

10.5 Incompatible materials

Avoid chlorine, fuming nitric acid, strong oxidizing agents or strong bases.

10.6 Hazardous decomposition products

Decomposition products: at temperatures above 300 °C decomposes giving off hydrocarbons. Products of complete combustion: CO₂, H₂O. Incomplete combustion products: CO, soot, aldehydes, ketones, hydrocarbons and volatile fatty acids.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Based on toxicological information from Annexes VII to XI of Regulation 1907/2006 (REACH).

Acute toxicity: Based on the available data, the classification criteria are not met.

Skin corrosion/irritation: Based on the available data, the classification criteria are not met.

Serious eye damage/irritation: Based on the available data, the classification criteria are not met.

Respiratory or skin sensitisation: Based on the available data, the classification criteria are not met.

Germ cell mutagenicity: Based on the available data, the classification criteria are not met.

Carcinogenicity: Based on the available data, the classification criteria are not met.

Reproductive toxicity: Based on the available data, the classification criteria are not met.

STOT-single exposure: Based on the available data, the classification criteria are not met.

STOT-repeated exposure: Based on the available data, the classification criteria are not met.

Aspiration hazard: Based on the available data, the classification criteria are not met.

For more information, see Section 3 of this document.

11.2 Information on other hazards

No particular indication

SECTION 12: Ecological information

12.1 Toxicity

Polypropylene plus ethylene copolymer films are non-toxic solids.

12.2 Persistence and degradability

Polypropylene plus ethylene copolymer films are insoluble, non-biodegradable and highly persistent.

12.3 Bioaccumulative potential

It is expected to have no accumulation problems in living organisms and no impact on the food chain.

12.4 Mobility in soil

Polypropylene plus ethylene copolymer films are soil neutral.

12.5 Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6 Endocrine disrupting properties

The product does not contain components having endocrine disrupting properties in accordance with Article 59(1) of the Regulation (EC) 1907/2006 of the Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2108/605.

12.7 Other adverse effects

No further relevant data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Polypropylene plus ethylene copolymer films are recyclable and can be disposed of in approved landfills or by incineration. Do not dispose of in sewers.

The complete combustion of polypropylene plus ethylene copolymer results mainly in the formation of carbon dioxide and water.

Combustion for energy recovery provides an average of 24 MJ/kg.

Polypropylene plus ethylene copolymer films are neither biodegradable nor compostable.

SECTION 14: Transport information

For films that will come into contact with food, we recommend the use of covered transport in order to guarantee the hygiene of the product.

14.1 UN number or ID number

ADR/RID, IMDG, IATA-DGR: Not relevant

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR: Not relevant

14.3 Transport hazard class(es)

Not relevant

14.4 Packing group

ADR/RID, IMDG, IATA-DGR: Not relevant

14.5 Environmental hazards

Not applicable

14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

According to Regulation 1272/2008/EC and Regulation 1907/2006/EC and subsequent amendments, this product is not classified as dangerous.

15.2 Chemical safety assessment

A chemical safety assessment was not carried out.

SECTION 16: Other Information

The information contained in this document is based on our current knowledge and will aim to describe the product only in relation to environmental, health and safety.

This document does not excuse in any case the user from knowing and applying the laws and regulations governing its activities.

The user is required to verify that the material is appropriate for the specific application.

The information contained in this document is subject to revision without prior notice to Customer.