

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	BOPP - CPP Polypropylene Film
Presentation of the product	Film reels
Product families	Films Glass - Opaque - Matt - Metallic
Company name	Vitopel Argentina S.A.
Industrial plant address	Ruta Nacional N° 9 - km 783 X5236ZAA - Villa del Totoral Córdoba Province – Argentina Tel: (54) 03524 478780
Electronic address	contacto@vitopelargentina.com
Web Site	www.vitopelargentina.com

2. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical name	Polypropylene (PP)	N° CAS	00-9003-07-0
	Additives		Trade secret
Ingredients Contributing to Hazard	Not applicable, as it is an inert substance.		

3. HAZARD IDENTIFICATION

No special risk is known	
Most important dangers	Stable product, does not present danger in its normal state of handling and storage.
Product Effects	Product harmless to human contact and non-biodegradable.
Adverse effects on human health	The product does not have risks in its normal state. It is an inert and non-toxic product.
Environmental effects	Non-biodegradable product.
Physical / Chemical Hazards	The handling of the product at room temperature does not present risks for the operator, and it can be handled without protective equipment, due to its non-reactivity characteristics. product chemistry. The friction to which polypropylene is subjected during processing favors the accumulation of electrostatic charges. Eventual electrical discharges can generate ignition, or cause an electric shock to the operators. Therefore, it is advisable to use grounded equipment and avoid environments with an explosive and/or flammable atmosphere.
Specific hazards	It does not present any specific danger, as it is inert and non-toxic..
Chemical Classification	Product not classified as dangerous by the ONU.

4. FIRST AID MEASURES

Inhalation	There is no risk of inhalation at room temperature. During processing it is recommended that the workplace be well ventilated (natural or mechanical ventilation). In the event of any difficulty breathing normally, seek medical assistance.
Skin contact	There is no health risk from contact with the material at room temperature. Contact with hot material can cause burns; in such a case, cool the affected part applying plenty of cold water, do not remove material adhered to the skin and seek medical assistance.
Eye contact	In contact with the eyes, there is no health risk. In case of projections of material particles that impact the eyes, seek medical assistance. Safety glasses are recommended for all work environments.
Intake	There are no known harmful health risks from the ingestion of polypropylene film. If this occurs, seek medical assistance.

5. FIRE FIGHTING MEASURES

Appropriate Extinguishing Media	The material is combustible. In case of fire, the area should be removed, verifying the extraction of the fumes from the combustion. Polypropylene, when combusted, produces class A (solid) fires, and must be fought with: water spray, foam (AFFF), dry chemical powder (PQS) or halon clean, as extinguishing agents.
Specific hazards	When polypropylene burns, it generates flames, water, carbon dioxide carbon and in the absence of oxygen it generates carbon monoxide. Combustion fumes are irritating and toxic.
Fire protection	Positive pressure breathing devices are recommended. People who do not have respiratory protection must leave the area to prevent exposure significantly to flue gases. In closed or poorly ventilated areas, use self-contained breathing apparatus even after the fire during cleaning tasks, as well as in attack and fire fighting operations.

6. CONTROL MEASURES FOR SPILLS OR LEAKS

Removal of combustion sources	All spills or leaks must be removed or contained avoiding contact with sources of combustion..
Dust emission control	Not applicable, since the film used correctly does not generate dust.
Environmental precautions	Contain the material and avoid affecting watercourses and sewage or rainwater networks.
Methods for cleaning	Vacuum or sweep the product, and if possible recover it through recycling.
Provision	Polypropylene is not classified as a hazardous material. This product can be delivered to companies specialized in recycling, and is an ecologically correct alternative for polypropylene waste.

7. HANDLING AND STORAGE

Handling - Technical measures	
Prevention for the exposed worker	Natural ventilation is sufficient, no additional respiratory protection is necessary..
Fire and explosion prevention	The product is combustible and can ignite if it is in contact with direct flame. It is recommended to use equipment with grounding, avoiding electrostatic discharges that can generate ignition.
Precautions for safe handling	Protective gloves are recommended when handling hot material during processing. Security glasses are recommended for all work environments.
Storage	
Appropriate technical measures	<p>No special technical storage measures are necessary. It is not recommended to stack the pallets with coils, although studies have shown that it is possible to stack up to two (2) pallets or three (3) meters high maximum.</p> <p>The straps of the pallets are held by pressure, when cutting them it is recommended to use eye protection and gloves, and that the pallets are disassembled in appropriate places to avoid cuts by personnel handling them.</p> <p>The use of steel-toed safety shoes is recommended when handling coils or pallets.</p> <p>During handling and transport it is recommended to avoid placing the coils directly on the ground or hit its sides, since They can cause the loss of film due to physical damage and cause breakage during its use in the machine.</p>

	BOPP and CPP films are very slippery, so their use as a floor covering or even their permanence should not be allowed. In access or passage areas obstructing the passage of people, as this can cause accidents.
Proper storage conditions	<p>Store the coils in the original packaging until used. Always condition the material on a pallet, avoiding its exposure to humidity and dust.</p> <p>The coils must not be supported on themselves; They must be placed in a horizontal position without touching the floor, to avoid deformation and blockage of the material.</p> <p>Likewise, avoid exposing the material directly to the sun and rain. Keep the material protected from physical, chemical and bacteriological contaminants.</p> <p>Avoid impacts and perforations, mainly on the sides of the coils, as they can cause deformations or make the material useless.</p> <p>Avoid exposing the coils to excessive heat and cold.</p>
Incompatible products and materials	It is not recommended to store together with acids, chlorinated solvents and aromatic compounds.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Appropriate Personal Protective Equipment (EPP)	
Respiratory protection	No respiratory protection is necessary.
Eye protection	The use of safety glasses is recommended in any work environment.
Skin and body protection	At room temperature it is not necessary to use protection. During processing at elevated temperatures, the use of suitable uniforms and protective gloves is recommended.
Hygiene measures	Avoid eating and drinking in areas where the product is being handled.

9. PHYSICAL-CHEMICAL PROPERTIES

Physical state	Solid
Shape	Film
Color / Characteristics	White, transparent, metallic, matt
Smell	Odorless
pH	Not applicable
Fusion Range	140 a 170°C
Density	The standard material has a density of 0.91 g/cm ³ . However, depending on the type of material, the density may vary

	between 0.65 to 0.95 g/cm ³
Water solubility	Insoluble

10. STABILITY AND REACTIVITY

Instability	The product is stable.
Dangerous reactions	Not applicable.
Incompatible materials or substances	Polypropylene is nonpolar and unreactive. Some substances such as chlorinated solvents, aromatic compounds and chlorosulfonic acids, nitric and sulfuric, can react with polypropylene. Although it is additive with antioxidants, excessive exposure to heat and radiation, accelerate the natural process of degradation of the Polypropylene.
Hazardous decomposition products	Combustion products of polypropylene, like other natural and synthetic materials, should be considered toxic. He greatest risk is the generation of carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Information according to the different routes of exposure	Polypropylene is non-toxic. No known specific carcinogenic, mutagenic, teratogenic, embryotoxic and toxic effects for reproduction derived from its use.
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12. ECOLOGICAL INFORMATION

Environmental effects, behaviors and product impacts	Polypropylene does not cause negative effects on the environment, however it is important to use specialized companies for its disposal, avoiding visual contamination. Polypropylene is recyclable, and depending on the type of application, it can be reprocessed several times. The number 5 is used to identify polypropylene as a recyclable plastic material.
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13. TREATMENT AND DISPOSAL CONSIDERATIONS

Treatment methods and disposal	
Excess product and lags	This product can be delivered to companies specialized in recycling, and is an ecologically correct alternative for the treatment of polypropylene waste. waste disposal It can be carried out in authorized burials, or by controlled incineration in accordance with national and local regulations. Polypropylene is not classified as a hazardous material.

<p>Used packaging</p>	<p>The plastic packages of the coils are returnable and property of Vitopel Argentina S.A., and must be conditioned for their I recover and reuse. Wooden packaging can be reused or sent to specialized recycling companies.</p>
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14 . INFORMATION ON TRANSPORTATION

<p>National and international regulations</p>	<p>For domestic transport, polypropylene films are not classified as dangerous by the Ministry of Transport, nor is it classified as a dangerous product by the UN. Special precautions in transport: the load must be properly protected to avoid contact with moisture and properly secured to prevent the product from falling. Should this occur, collect the material for reuse, recycling, or disposal.</p>
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15. REGULATIONS

<p>Regulations</p>	<p>Polypropylene films comply with the legal provisions in force in the user countries. For example FDA requirements (Food and Drug Administration), Code of Federal Regulations (CFR) and requirements of Mercosur resolutions, to be used in contact with food of all types.</p>
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All the information detailed in this file is based on our opinion and current knowledge and is intended to describe our products from the point of view of safety, health, environmental and safety requirements. They should not be considered as a guarantee of specific properties.