



SAFETY SHEET

SECTION I – PRODUCT IDENTIFICATION / COMPANY IDENTIFICATION

Tradename: Poliolefin Darnel Shrink® film
Maker: EXTRUSA DE COLOMBIA S.A.
Address: Km 11 Vía Mamonal
City: Cartagena
Country: Colombia
Telephone Number: +57-5-6930062

SECTION II – COMPOSITION

Composition:

Substance name	CAS #	%
Ethylene Copolymer	026221-73-8	>50%
Alpha-olefin Copolymer	25895-47-0	>30%

Dangerous ingredients: None.

SECTION III – HAZARD IDENTIFICATION

Routes of Exposure: Ingestion or direct skin contact.
Potential Health Effects: It is not dangerous.

Eyes: It not expected to cause prolonged or significant eye irritation.

Skin: It is not expected to be harmful through skin contact.
Ingestion: It is not expected to be harmful if ingested.
Inhalation: It is not expected to be harmful if inhaled.
Carcinogenic Effects: Do not appear in NTP, OSHA or IARC listings.

**Additional Informations:**

Combustion or thermal degradation of this material may produce fumes that cause respiratory irritation (cough, difficulty breathing). This condition will be minimized with adequate ventilation. Contact with hot material can cause thermal burns to eyes and skin blisters, including pain, discoloration and swelling.

SECTION IV – FIRST AID

- Eyes:** If the hot material comes into contact with eyes, rinse immediately with cool water for 15 minutes, keeping eyelids open. If you wear contact lenses, remove them. Seek immediate medical attention.
- Skin:** If hot material comes into contact with the skin, immediately cool it with water. In case of extensive burns seek medical attention. Do not try to peel the solidified material from the skin or use solvents for removal. The use of vegetable oils or mineral removal of this material from skin is recommended
- Ingestion:** Ingestion is an unlikely route of exposure under normal conditions of use in the industry. However, if significant amounts of this product is accidentally ingested, seek medical attention.
- Inhalation:** If breathing is difficult, move the victim out of the source of exposure to an area of fresh air. Seek medical attention.

SECTION V – FIRE FIGHTING MEASURES

Extinguishing Methods: Water, Foam, Dry chemical powder and CO₂.

SECTION VI – MEASURES IN CASE OF ACCIDENTAL SPILLAGE

Spill on the Floor: Sweep spilled material and place in a suitable container for recycling or disposal. If the molten material is spilled, allow to cool and solidify before proceeding with disposal

SECCIÓN VII – HANDLING AND STORAGE

- Handling:** During handling high electrical charge can accumulate. Static charges can cause explosions in atmospheres with solvents and / or powders.
- Storage:** Keep in fresh and dry place below 35 °C.



Always used sanitized wooden pallets to store the material.
 Never store rolls without protective boxes or other protection.
 Store a maximum of two height levels.

Do not place the product in direct exposure to sunlight or environments with poder.
 Keep the containers tightly closed to prevent moisture and contamination.

SECTION VIII – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls :	Not required.
Ventilation:	Provide adequate ventilation or local exhaust ventilation to remove fumes from high temperature processes , such as heat sealing or hot wire
Protection of the face and eyes:	Utilize the adequate protective elements of the eyes and face.
Skin Protection:	Utilize adequate gloves during the process.
Respiratory protection:	If fumes are generated during the process, use adequate ventilation or wear appropriate respiratory protection (not normally required).
Clothing or additional protective elements:	Are not required in conditions of normal use.
Hygiene practices at work:	Prevent direct contact with hot material

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Transparent plastic film, odorless.
Decomposition Temperature:	Not Available.
Melting Point:	90-140°C
State of Matter:	Solid.
Softening Point:	80°C
Water Solubility:	Insoluble.
Specific Gravity:	0.92

SECTION X – STABILITY AND REACTIVITY

Stability: The material is stable.



Incompatibilities with other materials: None known.

Product of decomposition: During combustion the following hazardous products may form : oxidation of hydrocarbons , including carbon dioxide , carbon monoxide , organic acids , aldehydes and alcohols

SECTION XI – TOXICOLOGICAL INFORMATION

At room temperature there is no significant risk from inhalation, skin contact, eye contact or ingestion

SECTION XII – ECOLOGICAL INFORMATION

It is a polymer with high molecular weight and low water solubility, which is expected to have low biochemical oxygen demand and cause virtually no oxygen depletion in aquatic systems. It is expected to have a low potential for involvement to aquatic organisms, secondary waste treatment microorganisms and plant germination and early growth. It is not expected to be biodegradable and unlikely to bio accumulate.

Prevent entry into water systems.

SECTION XIII – CONSIDERACIONES SOBRE LA ELIMINACIÓN

For removal of this material as a waste, follow all national, state and local regulations concerning waste management.

SECTION XIV – TRANSPORT INFORMATION

Transport Information DOT: Not Regulated.

TDG: Not Regulated.

SECTION XV – REGULATORY INFORMATION

With the exception of the materials listed in Section II, this product does not contain any chemicals, above the minimum concentrations of those listed in Section 313 of SARA.

SECTION XVI – OTHER INFORMATION

The MSDS is supplied only to provide safety information, health and environmental and should not be used for applications in the material.



Last Revision: February 22nd, 2016

Note to readers: According to our best knowledge the information contained herein is accurate. However, neither the above named supplier nor its subsidiaries assume no responsibility regarding the accuracy of the information contained herein. The determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein we do not guarantee that these are the only ones.