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## 1.- Product and Company Identification

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**TRADEMARK:** ESTERDAN FM 30 P ELAST.

**PRODUCT TYPE:** Waterproofing sheet of SBS modified bitumen with non-protected surface finished with polyethylene film.

**STANDARD UNE:** EN 13707

**MANUFACTURER/DISTRIBUTOR:** DANOSA

Calle La Granja, 3

28108 Alcobendas (Madrid, Spain)

**Phone number:** +34 91 658 68 50

## 2.- Composition/Information on Ingredients

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Sheet with bitumen, elastomers and mineral fillers.

## 3.- Hazards Identification

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Under normal conditions, the product is not dangerous.

When applied to fire there is a risk of burn.

Inhalation of bituminous vapours may cause irritation to respiratory system.

## 4.- First Aid Measures

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**Skin burns:** Treat the affected area with plenty of cold water. When cold, do not try to remove bitumen from the skin, as it forms a sterile protective layer. Normally, the bitumen would separate itself from the skin after some days. Use only medically approved solvents (medicinal liquid paraffin) to remove bitumen from skin.

**Eye contact:** Rinse with clean water for at least 10 minutes, keeping eyes opened. Consult an ophthalmologist.

**Vapour inhalation:** Remove an injured person to fresh air and seek medical attention.

## 5.- Fire Fighting Measures

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Use dry chemical powder or foam, inert gas fire hose, or water spray (mist).

## 6.- Accidental Release Measures

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At room temperature, material can be handled with no need for special precautions.

## 7.- Handling and Storage

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**Personal protection:** Not required for handling and transport.

When necessary to apply to fire, appropriate measures must be taken: fire gloves, protective shoes and cloths.

**Storage conditions:** See label. Store under cover.

## 8.- Exposure Controls and Personal Protection

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**Respiratory protection:** It is advisable to have good ventilation during its use.

**Eye protection:** It is advisable to use protective glasses.

**Hand and skin protection:** It is advisable to use heat resistant gloves and appropriate cloths.



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## 9.- Physical and Chemical Properties

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**Physical state:** Laminar solid.

**Colour:** black.

**Characteristics of bituminous mastic:**

softening point: >80°C

penetration at 25°C: 30-80 dmm

insoluble in water

partially soluble in organic solvent

flash point: >240°C

Refer to a relevant technical data sheet for additional information.

## 10.- Stability and Reactivity Data

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**Stability:** Stable at room temperature.

**Conditions to avoid:** Extreme temperatures. Temperatures over 80°C modify the material and speed up its degradation.

## 11.- Toxicological Information

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The product is not toxic under normal conditions.

## 12.- Ecological Information

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**Persistence and degradability:** Components of the product do not degrade significantly.

**Environment effects / ecotoxicity:** The product is not toxic to the environment. It is not harmful for plants or aquatic environment.

## 13.- Disposal Considerations

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Can be landfilled according to local regulations.

## 14.- Transport Information

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Commercialised as rolled sheets and transported loose or grouped in pallets. Stable at room temperature and during transport.

## 15.- Regulatory Information

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The product is not considered dangerous.

The product does not require special labelling.

## 16.- Other Information

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These products do not contain recycled raw materials.

Even though, in different countries, like Germany, there is an experience in recycling wastes of these products. In Spain this issue has not been developed yet.

THIS PRODUCT MUST BE STORED, HANDLED AND USED WITH ACCORDANCE TO THE PROCEDURES INCLUDED IN AN INDUSTRIAL HYGIENE RULES AND IN ACCORDANCE WITH THE LEGAL REGULATIONS UNDER THE RESPONSIBILITY THAT CORRESPONDS TO THE RECEIVER OR THE CLIENT.

THE PUBLICATION CONTENTS INFORMATION BASED ON THE ACTUAL STATE OF OUR KNOWLEDGE AND INTENT TO DESCRIBE OUR PRODUCT FROM THE SECURITY REQUIREMENTS POINT OF VIEW. FROM THIS REASON IT MUST NOT BE INTERPRETED AS WARRANTY OF SPECIFIC PROPERTIES.

