

**MATERIAL SAFETY DATA SHEET – PE FOAM LAMINATED WITH 60µ LDPE**  
**(LOW DENSITY POLYETHYLENE)**

**PRODUCT NAME: ABRIFLOOR “DECOSPAN”**

**PRODUCT IDENTIFICATION**

The product is an extruded foam film made out of a LDPE polymer CAS N°9002-88-4 and additives such as talc and others (glycerine-mono-stearate as an antistatic). When coloured, food approved pigments are used. All ingredients are food approved and harmless. The product is delivered as film on roll or in converted product form (sheets, bags). On the PE foam a 60µ thick LDPE film is laminated on one surface. The LDPE is used for its low moisture permeability.

**HEALTH HAZARDS:**

The product is not classified as a dangerous preparation (EEC). Inhalation of dust can irritate the respiratory system. Prolonged inhalation of high doses of decomposition products can cause headache or irritation in the respiratory system.

**ENVIRONMENTAL HAZARD:**

The product is not considered dangerous for the environment.

**FIRE HAZARD:**

The foam is blown by iso-butane. As small traces of it can remain in the foam, following safety precautions are to be respected: this product should be kept away from open flames or excessive heat. It may contain traces of inflammable vapors and should be stored in well ventilated areas. As with all foam products, adequate ventilation and static electricity protection should be provided if the material is further processed. Flash point approximately 360°C.

**FIRE FIGHTING:**

Water in a spread jet, dry chemical, foam and carbon dioxide (CO<sub>2</sub>) can be used.

**USAGE:**

If films with batch or logo marking are used, it is necessary to avoid contact of the packed goods with the printed side.

**HANDLING:**

During processing and thermal treatment of the product small amounts of volatile substances, hydrocarbons may occur. These should not be inhaled, but a ventilation system should make sure this doesn't happen.

Dust from the products gives a potential risk for dust explosion. All equipment should be grounded.

**SPILLAGE AND WASTE:**

Polyethylene produces no hazardous substances in the soil, in air or water, neither at the time of production, nor during application or recycling.

PE foam is chemical and also from labour medicine's view harmless, free from bacteria, hygienically pure and risk-free with regard to toxicity.

PE foam is 100% recyclable. Technology for re-extrusion of PE foam waste into re-usable granules has currently won ground.

When recycling is impossible (problems arise more while collecting rather than while recycling) and the PE foam ends up in the municipal litter, polyethylene can then also be a significant energy source. Energy extraction from waste saves primary energy. When PE waste is used as an energy source, a thermal energy value of 43,3MJ/Kg originates, in contrast to petroleum with 42,0MJ/Kg and coal with 29,0MJ/Kg.

**INFORMATION:**

If more information is needed, please contact: ABRISO

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