

**1 - IDENTIFICATION OF THE PREPARATION AND THE COMPANY/BUSINESS****Identification of the substance or preparation**Name of product: **ECONOLEASE****Use of the substance / preparation**

Article: Release fabrics / Peel plies

**Company / undertaking identification**

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**2 – HAZARDS IDENTIFICATION****Classification:** Article

Under normal conditions of use, there are no known physical or health hazards associated with the product itself.

There is a possibility for certain potential hazards to result from processing of the product. Although we cannot know every conceivable processing condition, we feel you should be aware of this potential in general (see section 11 for additional information).

Harmful and/or toxic vapors may be produced in the event of thermal decomposition.

**3 - COMPOSITION/INFORMATION ON INGREDIENTS**

**Chemical characterization:** Woven material made with nylon fibres and coated with a release agent.

**Additional information:** Article. According to EC directives or the corresponding national regulations there is no labeling obligation for this product.

**4 - FIRST AID MEASURES**

**Skin contact:** If irritation occurs from contact with small particles, wash skin with water and soap.

**Inhalation:** Not a probable route of exposure. In case of accidental inhalation of fumes from overheating or combustion, move to fresh air. Consult a physician after significant exposure.

**Eye contact:** If irritation occurs from contact with small particles, flush eyes with plenty of water.

**Ingestion:** Not a probable route of exposure.

**5 - FIRE-FIGHTING MEASURES**

**Suitable extinguishing media:** Water fog, carbon dioxide, foam, dry chemical.

**Extinguishing media which must not be used for safety reasons:** High power water jet.

**Special exposure hazards arising from the substance or preparation itself, combustion products:** In case of thermal decomposition, carbon monoxide, carbon dioxide and other toxic gases or fumes are evolved.

**Special protective equipment:** Normal firefighting procedures should be followed to avoid inhalation of smoke and gases. Firefighters should wear full protective clothing including self contained breathing apparatus.

**6 - ACCIDENTAL RELEASE MEASURES**

**Environmental precautions:** Do not allow to enter ground water, sewage or drains.

**Cleaning methods:** This material is a solid, it will not spill. Collect the product and store into containers for disposal.

**7 - HANDLING AND STORAGE**

**Handling:** Good industrial practice in housekeeping should be followed. Wash hands after handling and before eating.

**Storage:** Store in a cool dry place.

**8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION**

**Exposure limit values:** If in the processing there is a significant potential for the fiber itself to become airborne, an airborne exposure limit is recommended of 10 mg fiber as particulate/m<sup>3</sup> as an 8 hour time weighted average (TWA).

**Exposure controls:** Overall room ventilation and/or local exhaust at points of fume generation in the work area.

**Occupational exposure controls:**

Respiratory protection: None under normal usage.

Hand protection: Protective gloves according to EN 407 are required when handling hot material.

Eye protection: Not a probable route of exposure. Use safety glasses according to EN 166 as a good general safety practice.

Hygiene measures: Wash hands before handling food and at the end of work.

**9 - PHYSICAL AND CHEMICAL PROPERTIES**

|                            |                         |
|----------------------------|-------------------------|
| Appearance:                | Blue nylon woven fabric |
| Odor:                      | None                    |
| pH:                        | Not applicable          |
| Solubility in water:       | Insoluble.              |
| Flash point:               | Not applicable          |
| Melting point/range:       | 254-263 °C              |
| Auto-ignition temperature: | 420°C                   |
| Specific gravity:          | 1.14                    |

**10 – STABILITY AND REACTIVITY**

**Conditions to avoid:** Heating above maximum use temperature.

**Materials to avoid:** Strong oxidizing agents.

**Hazardous decomposition products:** In case of thermal decomposition, during overheating or combustion, no unusual combustion gases have been observed and the combustion products are similar to those of other organic materials composed of the same elements: carbon monoxide, carbon dioxide and other toxic gases.

**Additional information:** The product is stable at the handling and storage conditions recommended per § 7 of the safety data sheet and under normal processing conditions.

**11 - TOXICOLOGICAL INFORMATION**

There are no known physical or health hazards associated with the product itself.

If in processing there is significant potential for the fibre itself to become airborne, maximum exposure limits shall be followed an airborne exposure limit is recommended of 10mg fiber as particulate/m as an 8 hour time weighted average (TWA).

This product may contain up to three percent fiber lubricants, typically consisting of various formulations of natural oils such as coconut and peanut oils, esters, oleates, palmitates and stearates. These lubricating oils are

toxicologically evaluated prior to product commercialization and have been found to be generally of a low order of acute oral and inhalation toxicity in animals and dermal toxicity in humans and do not present a significant health hazard in their normal handling and use. If in processing there is a potential to generate airborne concentrations of these oils as a mist, we recommend an airborne exposure limit of 5mg as particulate/m as an 8-hour TWA.

If heated to elevated temperatures (200-250°C) during processing, these lubricating oils can degrade and generate off gases which may contain very small amounts of such chemicals as formaldehyde, ethanol, acetone, etc. The exact chemical composition of these oils will, of course, depend on the conditions of heating, (temperature, duration, availability of oxygen). In our experience we are not aware of chemicals such as these reaching concentrations that present a serious health hazard. However, information on the toxic effects and recommended exposure limits of these and other chemicals can be found in the most recent edition of the ACGIH Documentation of Threshold Limit Values.

**12 - ECOLOGICAL INFORMATION****Ecotoxicity:**

Water hazard class: 1 = mild water pollutant

**Persistence and degradability:**

Product is not biodegradable, nor radioactive.

**Additional ecological information:**

Do not allow to enter ground water, sewage or drains.

**13 - DISPOSAL CONSIDERATIONS**

**Disposal recommendations:** Disposal of the product and the packaging must be done in compliance with local, state and federal regulations. Where possible, recycling is preferred to landfill or incineration. It contains no significant percentage of materials extractable in water so its effect on ground water in case of landfill should be negligible.

**European waste key number:** 070217 = Wastes from the manufacture, formulation, supply and use of plastics, synthetic rubber and man-made fibres containing silicones other than those mentioned in 070216.

**Contaminated packaging:** Waste key number 150101 – Paper and cardboard packaging.

Waste key number 150102 – Plastic packaging.

**14 - TRANSPORT INFORMATION**

Not classified as hazardous under transport regulations (ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport).

**15 - REGULATORY INFORMATION**

This product was classified in compliance with the directive known as <All preparations> 88/379/EEC and its adaptations. The product as shipped is not subject to labeling according to EC directives.

**16 - OTHER INFORMATION**

This bulletin cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. It is your responsibility to use this information to develop appropriate work practice guidelines and employee instructional programs for your operation.

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