

MSDS

Durus Macrofibres

1. Identification of the Substance

Trade name: Adfil
Manufacturer: Low & Bonar
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Chemical family: Polyolefin
Type of product: For more detailed information, see technical data sheet.

2. Composition / Information on Ingredients

Components	Weight %	Cas No.
Polypropylene	0 -100 %	9003-07-0
Propylene Ethylene copolymer	0 -100 %	9010-79-1
Propylene Butene 1 copolymer	0 -100 %	29160-13-2
Propylene Ethylene Butene 1 Terpolymer	0 -100 %	25895-47-0
Hazardous components	None	

3. Hazards Identification

Not classified as dangerous substance according to the CLP regulation 1272/2008

Phsico chemical properties: No hazards resulting from the material as supplied
Properties affecting health: No hazards resulting from the material as supplied
Environmental properties: No hazards resulting from the material as supplied

4. First Aid Measures

Route of exposure Inhalation: exposure to spray fumes and vapours produced by heated or burned polypropylene in the case of severe exposure to spray fumes or vapours, move the affected person into fresh air and get medical advice if the symptoms continue.

Skin contact: exposures to splashing of hot product treat the affected part with cold water (by spraying or immersion). No attempt should be made to detach molten product adhering to the skin or to remove clothing attached with molten material, usually the layer detaches itself after a few days.

Eye contact: in Case of a severe burn, seek medical advice immediately after exposures to splashing of hot product treat the eyes with cold water. Seek immediately special attention at hospital or medical centre. In case of irritation wash with copious volumes of water, until the irritation disappears.

Ingestion: ingestion during handling is not likely. In case of ingestion of small quantities, no important effect will be observed. In the case of ingestion of larger amounts this may result in abdominal pain and diarrhoea.

5. Fire - Fighting Measures

Technical measures: stop the fire spreading. Call the fire brigade immediately. Evacuate nonessential personnel. Protective clothing, goggles and self-contained breathing equipment should be made available for firemen.

Extinguishing media Suitable: for minor fires: carbon dioxide or powder for more extensive fires: foam. Water spray (mist) to cool the surfaces exposed to the fire.

Not to be used: do not use water jets (stick jets) in the early stages of extinguishing fire since they could help to spread the flames.

Combustion products: complete combustion, with an excess of oxygen forms: carbon dioxide and water vapour partial combustion, forms also: carbon monoxide, soot and cracked products: aldehydes, ketones, hydrocarbons and volatile fatty acids

6. Accidental Release Measures

Fibres spilled on the floor, should be recovered by sweeping or suction. Put in containers to facilitate its disposal, which should be in accordance with local or national regulations.

Environmental precautions: No special environmental precautions are required

7. Handling and Storage

Do not store near highly flammable materials. Store in a dry area to avoid degradation of the boxes and bags. The product is stable under normal operating conditions. Conditions to avoid:

Avoid proximity or contact with flames or sparks.

Do not heat to temperatures exceeding 300 °C

8. Exposure Controls and Personal Protection

Respiratory protection: Effective dust mask

Hand protection: Latex gloves

Eye protection: Safety glasses with side shields

Skin and body protection: Wear suitable protective equipment

Hygiene measures: When using the fibres do not smoke.

9. Physical and Chemical Properties

Appearance: long monofilament with an embossement

Physical state at 20°C: solid

Colour: translucent or white opaque

Odour: odourless

Change in physical state at 1013 hPa

Melting range (°C): from 160 -165

Flash point (ASTM D 1929)(° C): >300 °C

Auto-ignition temperature (°C): >350 °C

Density, mass at 20°C (kg/m³): 905 (ISO1183)

Solubility in water (%weight): insoluble

Viscosity (mm²/s): non-applicable

10. Stability and Reactivity

Stability

Stable under normal operating conditions of storage.

Conditions to avoid

Avoid contact with strong oxidising materials and fluorine also avoid proximity or contact with flames sparks and do not heat to temperatures exceeding 300 °C

11. Toxicological Information

Acute toxicity Symptoms related to Inhalation: low risk for temperatures below 40°C. If heated to more than 235°C, the product may form vapours or fumes that may cause irritation of respiratory tract and cause coughing and sensation of shortness of breath.

Skin contact: no risk for temperatures below 40°C. In contact with hot material may cause severe thermal burns.

Eye contact: splashing of molten droplets causes ocular tissue injury.

Ingestion: minimal toxicity.

Carcinogenicity (mg/kg) IARC (International Agency on Research on Cancer): category 3 the agent is not classifiable as to its carcinogenicity to humans.

Mutagenicity: this product has been found to be non-mutagenic or non-genotoxic in the following in-vitro assays: mouse lymphoma assays, Chinese hamster ovary cell chromosome aberration test, and unscheduled DNA synthesis in rat hepatocytes.

Other: polyolefins are biologically inert.

12. Ecological Information

Ecotoxicity This product has no known eco-toxicological effects

13. Disposal Considerations

Disposal: It can be landfilled or incinerated, when in compliance with the environmental protection (duty of care) regulations 1991.

14. Transportation Information

No restriction on transport by road, waters, rail or flight

15. Regulations

Not classified according to EEC directives 67/548/EEC (dangerous substances) and 1999/45/EC (dangerous preparations)

16. Other

No other information

IMPORTANT

The information in this Data Sheet applies only to the products produced or supplied by us.

It is based on our experience and on the data available to us at the time of its issue and is accurate to the best of our knowledge. The customer is strongly advised to observe and ensure that its employees and customers observe all directions contained herein. However, no warranty is made or implied that the information is accurate or complete and no liability will be accepted whatsoever arising out of the use of the information or the products designated herein.