

## 1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

01.09.2014

Manufacturer	PIN Floc SAS 21 Rue des Argousiers. ZA La Vigogne. F 62600 BERCK-SUR-MER
Trade Name	Polyethylene fibre
Chemical Name	Polyethylene (HDPE)
Produkttype	For more detailed information, see technologies data sheet.

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Main Components	Polyethylene (HDPE)
Substances Presenting a Health Hazard	None
Chemical Family	-(CH <sub>2</sub> -CH <sub>2</sub> ) <sub>n</sub> -
Additives	None

## 3. HAZARDS IDENTIFICATION

Main Hazards	Not classified a hazardous.
Symptoms related to Inhalation	None
Physico-chemical Hazards	If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient

## 4. FIRST AID MEASURES

Inhalation	Move person to fresh air; if effects occur, consult a physician
Skin Contact	If molten material comes in contact with the skin, do not apply ice but cool under ice water or running stream of water. DO NOT attempt to remove the material from skin. Removal could result in severe tissue damage. Seek medical attention immediately
Eye Contact	Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist
Ingestion	If swallowed, seek medical attention. May cause gastrointestinal blockage. Do not give laxatives. Do not induce vomiting unless directed to do so by medical personnel

## 5. FIRE-FIGHTING MEASURES

Technical Measures	Keep people away. Isolate fire and deny unnecessary entry. Soak thoroughly with water to cool and prevent re-ignition. If material is molten, do not apply direct water stream. Use fine water spray or foam. Cool surroundings with water to localize fire zone. Hand held dry chemical or carbon dioxide extinguishers may be used for small fires
Suitable Extinguishing Media	Water spray – foam – CO <sub>2</sub> , extinguishing powder.

	Note to be used: No restriction known.
<b>Combustible Products</b>	During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Carbon monoxide. Carbon dioxide

## 6. ACCIDENTAL RELEASE MEASURES

	Collect in suitable container, for disposal see 13.
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## 7. HANDLING AND STORAGE

	Polyethylene fibres are combustible, following general rules of the protection is therefore recommended.
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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

	Not required.
<b>Personal Protection</b>	Use safety glasses. If exposure causes eye discomfort, use a full-face respirator. Use gloves with insulation for thermal protection, when needed
<b>Respiratory Protection</b>	Use an approved air-purifying respirator when vapours are generated at increased temperatures or when dust or mist is present
<b>Protective equipment</b>	Use good personal hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Filament
<b>Color</b>	various
<b>Smell</b>	Weack
<b>Change in Physical State at 1013 hPa</b>	
<b>Melting Range (°C)</b>	> 235
<b>Flash Point</b>	Not applicable.
<b>Auto-Ignition Temperature (°C)</b>	515
<b>Explosion Limits</b>	Not applicable.
<b>Minimum Ignition Energy at 20°C (mJ)</b>	
<b>Solubility in water</b>	Insoluble (apart from approx. 1% spin finish).
<b>Viscosity</b>	Not applicable
<b>Density</b>	1,35 – 1,37

## 10. STABILITY AND REACTIVITY

	<p><b>Hazardous reactions:</b> Reactions with acids, alkalies and oxidizing agents. stable up to decomposition temperature</p> <p><b>Hazardous decomposition products:</b> No hazardous decomposition products known.</p>
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## 11. TOXICOLOGICAL INFORMATION

Inhalation	not determinaded
Skin Contact	not determinaded
Eye Contact	not determinaded
Ingestion	not determinaded
Carcinogenicity	not determinaded
Mutagenicity	not determinaded
Other	In case of fire and oxygen deficiency, combustion gases will contain carbon monoxide (as with all toxic to aquatic organisms).

## 12. ECOLOGICAL INFORMATION

Information	The fibres themselves are not biodegradable, the spin finish is biologically fast degraded, but as a toxic to aquatic organisms.
Mobility	
Air	not applicable
Soil	not applicable
Water	insoluble
Stability and degradability	not applicable
Biodegradability	not biodegradable
Any bioaccumulation Potential	not applicable

## 13. DISPOSAL CONSIDERATIONS

Disposal	Recycling recommended. Incineration of waste or disposal in a landfill also possible, local regulations must be observed.
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## 14. TRANSPORTATION INFORMATION

	<p>By land                      Water                      Air</p> <p>ADR/RID:                    ADNR                      ICAO/IATA-DGR.</p> <p>GGVS/GGVE                IMDG/GGVSee</p> <p>Product is not hazardous according to these transport regulations.</p>
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## 15. REGULATORY INFORMATION

<b>Labeling</b>	The product, regarding as a preparation, is not hazardous according to EC regulations.
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## 16. OTHER INFORMATION

	<p>This Safety Data Sheet is to be used in conjunction with the technical information regarding the specific fibres. The above information is based on our current knowledge of the product in question and is given in good faith. The user is warned of possible risks if the product is used for any other purpose than that for which it was intended by the manufacturer.</p> <p>The user is responsible for all regulations relating to the work he or she is performing and shall take the correct precautions when using the product. Main aim of the data sheet is to provide support and make users respect any regulations to be respected whenever dangerous products are used. This list is not to be considered as exhaustive.</p> <p>It is the sole responsibility of the user to ascertain whether there are any other requirements described in regulations that haven't been mentioned before and that can refer to the use of the product.</p>
<b>Reach</b>	Text of R phrases appearing in paragraph 2: None. Text of R phrases appearing in paragraph 3: None.