

**Product Information Sheet**  
**Based on 1907/2006/EC, Article 31**

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**1 Identification of the article and of the company**

- **Product details** : milled partially carbonized PAN fibre
- **Trade name**: PO - 300
- **Application of the article** : nonwoven, spinning, milled fiber
- **Manufacturer/Supplier**:  
  
YF International B.V.  
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- **Further information obtainable from**: khauwert@planet.nl
- **Information in case of emergency**: +31 (0) 316 28 26 21



**2 Hazards identification**

- **Hazard description**: not classified
- **Information concerning particular hazards for human and environment**:  
  
No hazards to be particularly mentioned. Please note the information of this Material Safety Data Sheet.



**3 Composition/information on ingredients**

- **Chemical characterization**: partly carbonized polyacrylonitril
- **Description** : milled fibre
- **Identification number(s)**: CAS number 70892-43-2



**4 First aid measures**

- **General information**: No special measures required.
- **After inhalation**: In case of dust supply fresh air; consult doctor in case of complaints.
- **After skin contact**: Slight skin irritation has been observed in isolated cases. This should be treated by washing with soap and water. If symptoms of irritation persist, the person should seek medical attention.

- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms of irritation persist, the person should seek medical attention.
- **After swallowing:** If symptoms persist consult doctor.



#### 5 Fire-fighting measures

- **Suitable extinguishing agents:** CO<sub>2</sub>, powder or water dizzle. Avoid direct water spray
- **Particular risk :** Fiber or dust may glow in an oxygen containing atmosphere above 350 °C during glowing or in case of fire. CO/CO<sub>2</sub> is generated, also organic degradation products may be formed
- **Protective equipment:** Wear self-contained respiratory protective device.



#### 6 Accidental release measures

- **Person-related safety precautions:** Not required
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:** Pick up mechanically.
- **Additional information:** No dangerous substances are released.



#### 7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special measures required.
- **Information about fire - and explosion protection:** Dust can combine with air to form an explosive mixture. Remove dust on a regular basis using standard industrial hygiene procedures
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
No special requirements.
- **Information about storage in one common storage facility:**  
Not required.
- **Further information about storage conditions:**  
Keep away from heat and ignition sources.

## 8 Exposure controls/personal protection

### **Additional information about design of technical facilities:**

Use extraction and ventilation equipment to reduce the occurrence of (fibrous) dust.

Control parameters: fibre-shaped Particulates (RFP) that may be released from cut fibre or during abrasive processing, are subject to local government regulations. In their absence, it is recommended that the average concentration of RFP's be maintained below 2 fibrils per ml of work place air.

**Ingredients with limit values that require monitoring at the workplace:** Not required.

### **Personal protective equipment:**

- **General protective and hygienic measures:**

Do not eat, drink, smoke or sniff while working.

- **Respiratory protection:** not required but recommended if dust occurs (> 2 RFP/ml air)

- **Protection of hands:** Suitable protective gloves are recommended

- **Eye protection:** not required but advisable

- **Body protection:** use suitable protective work clothing

## 9 Physical and chemical properties

- **General Information**

- **Form:** Solid

- **Colour:** grey-black

- **Odour:** none

- **Change in condition**

- **Melting point/Melting range:** does not melt

- **Flammability (solid, gaseous):** Product is not flammable.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Density:** 1,4 gr/ml (solid material)

- **Solubility in / Miscibility with**

- **water:** insoluble.
- **Organic solvents:** insoluble



#### 10 Stability and reactivity

- **Stability :** the product is stable under normal operating conditions

**Thermal decomposition / conditions to be avoided:**

Temperatures > 350 °C in air will lead to product oxidation and degradation (burning).

- **Dangerous reactions:**  
Risk of dust explosion if enriched with fine dust in the presence of air.
- **Dangerous decomposition products:**  
Small quantities of carbon monoxide, traces of nitrogen compounds.



#### 11 Toxicological information

- **Acute toxicity:** none
- **Primary irritant effect:**
- **on the skin:** possible skin irritation.
- **on the eye:** possible irritating effect.
- **Sensitization:** No sensitizing effects known.



#### 12 Ecological information

- **General notes:** Generally not hazardous for water
- **Mobility:** Not applicable
- **Persistence and degradability:** stable, persistent **Bioaccumulation:** Not applicable
- **Ecotoxicity effects:** None



#### 13 Disposal considerations

**Product:**

- **Recommendation:**  
Smaller quantities can be disposed of as non hazardous industrial waste or incinerated in suitable installations

**Uncleaned packaging:**

- **Recommendation:**

Disposal must be made according to local regulations.



**14 Transport information**

- Not regulated



**15 Regulatory information**

- **Labelling according to EU guidelines:**

This product is not regulated by 1907/2006/EC nor by any derived national statutes and therefore no labelling is needed.

Observe the general safety regulations when handling chemicals.

The substance is not subject to classification according to EU lists and other sources of literature known to us.

In some countries the workplace exposure to respirable fibre-shaped particles (RFP's) that can be formed during abrasive processing of para-aramid products - is regulated.

In France, Spain and the Netherlands the concentration of these RFP's should not exceed an average of 1 fibril/ml during an 8-hour day, in the UK an OES of 0.5 fibril/ml is applicable.



**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.