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### 1 Identification of the substance / preparation and of the company

**Product:** Pyromex®-J CPX 2d  
Pyromex®-A CPX 2d

**Registration number:** not applicable

**Use:** see product designation

**Identified use:** none

**Method of operation:** See product information.

**Company:** Toho Tenax Europe GmbH  
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42103 Wuppertal / Deutschland

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**Fax:** +49 202 32-3303

**Homepage:** www.tohotenax-eu.com

**Emergency phone:** +49 (0) 2452 15-2444

**Responsible:** safety@tohotenax-eu.com

### 2 Hazards identification

**Physico-chemical hazards:** See chapter 10.

**Human health dangers:** See chapter 11.

**Environmental hazards:** No particular hazards known.

**Other hazards:** none

**Hazard symbols:**

**R-phrases:** none

### 3 Composition / Information on ingredients

Carbon fiber on basis polyacrylonitrile (Carbon)	> 95%
CAS: 308063-67-4(7440-44-0), EINECS/ELINCS: Polymer (231-153-3), EU-INDEX: , ECBnr:	
No dangerous components.	

### 4 First aid measures

**General information:** not applicable

**Inhalation:** Ensure supply of fresh air.

**Skin contact:** In case of contact with skin wash off with warm water. Consult a doctor if skin irritation persists.

**Eye contact:** In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

**Ingestion:** Supply with medical care. Induce the patient to vomit of his own accord only if fully conscious. Rinse out mouth and give plenty of water to drink.

**Advice to doctor:** treat symptomatically

### 5 Fire-fighting measures

**Suitable extinguishing media:** foam, dry powder, water spray jet, carbon dioxide

**Extinguishing media that must not be used:** full water jet

**Special exposure hazards arising from the substance or preparation itself or combustion products:** carbon monoxide (CO)

**Special protective equipment for firefighters:** Use self-contained breathing apparatus.

**Additional information:** Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

### 6 Accidental release measures

**Personal precautions:** not applicable

**Environmental precautions:** none

**Methods for cleaning up:** Dispose of absorbed material in accordance within the regulations. Take up mechanically.

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### 7 Handling and storage

- Advice on safe handling:** No special measures necessary if used correctly.
- Advice on protection against fire and explosion:** Keep away from sources of ignition - refrain from smoking.
- Requirements for storage rooms and vessels:** No special measures necessary.
- Advice on storage compatibility:** Do not store together with oxidizing agents.
- Further information on storage conditions:** store in a dry place, recommended storage temperature: < 50 °C, relative humidity: < 85 %

### 8 Exposure controls / personal protection

**Additional advice on system design:** Ensure adequate ventilation on workstation.

#### Ingredients with occupational exposure limits to be monitored: (GB)

Carbon fiber on basis polyacrylonitrile (Carbon)	> 95%
0,5mg/m <sup>3</sup> *, General remarks: fibres/ml (respirable fibres)	

- Respiratory protection:** Breathing apparatus in the event of high concentrations. short term: filter apparatus, filter P1
- Hand protection:** butyl rubber, > 120 min (EN 374)
- Eye protection:** safety glasses
- Skin protection:** not applicable
- General protective measures:** Do not inhale dust. Avoid contact with eyes.
- Hygiene measures:** Wash hands before breaks and after work. Use barrier skin cream.
- Delimitation and monitoring of the environmental exposition:** not determined

### 9 Physical and chemical properties

- Form:** fibre
- Color:** black
- Odor:** odourless
- pH-value:** not applicable
- pH-value [1%]:** not applicable
- Boiling point [°C]:** not applicable
- Flash point [°C]:** not applicable
- Flammability [°C]:** not applicable
- Lower explosion limit:** not applicable
- Upper explosion limit:** not applicable
- Oxidizing properties:** no
- Vapour pressure [kPa]:** not applicable
- Density [g/ml]:** 1,7 - 2,0
- Density at [°C]:** 20°C
- Bulk density [kg/m<sup>3</sup>]:** not applicable
- Solubility in water:** insoluble
- Partition coefficient [n-octanol/water]:** not applicable
- Viscosity:** not applicable
- Relative vapour density determined in air:** not applicable
- Evaporation speed:** not applicable
- Melting point [°C]:** ca. 3500
- Autoignition temperature [°C]:** not applicable
- Decomposition temperature [°C]:** > 650 (in air), preparation > 290

### 10 Stability and reactivity

- Hazardous reactions:** Reactions with strong oxidizing agents.
- Hazardous decomposition products:** No hazardous decomposition products known.

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### 11 Toxicological information

<b>Acute oral toxicity:</b>	not determined
<b>Acute dermal toxicity:</b>	not determined
<b>Acute inhalational toxicity:</b>	not determined
<b>Irritant effect on eye:</b>	not determined
<b>Irritant effect on skin:</b>	not determined
<b>Sensitization:</b>	not determined
<b>Subacute toxicity:</b>	not determined
<b>Chronic toxicity:</b>	not determined
<b>Mutagenicity:</b>	not determined
<b>Reproduction toxicity:</b>	not determined
<b>Carcinogenicity:</b>	not determined
<b>Experiences made in practice:</b>	None fibres with diameter below 3 micrometers. The filament is not breathable (IARC). Fiber abrasion can cause mechanical skin irritation.
<b>General remarks:</b>	No classification on the basis of the calculation procedure of the preparation directive.

### 12 Ecological information

<b>Fish toxicity:</b>	not applicable
<b>Daphnia toxicity:</b>	not applicable
<b>Behaviour in environment compartments:</b>	not determined
<b>Behaviour in sewage plant:</b>	not applicable
<b>Bacteria toxicity:</b>	not determined
<b>Biological degradability:</b>	not applicable
<b>COD:</b>	not determined
<b>BOD 5:</b>	not determined
<b>AOX-advice:</b>	No dangerous components.
<b>2006/11/EC:</b>	none
<b>General information:</b>	The product is insoluble in water. Ecological data are not available.

### 13 Disposal considerations

<b>Disposal / Product:</b>	For recycling, consult manufacturer. For recycling, consult waste disposal centres.
<b>Disposal / Contaminated packaging:</b>	Untampered packaging may be taken for recycling. Packaging that cannot be cleaned should be disposed of as for product.
<b>Waste no. (recommended):</b>	160306

### 14 Transport information

<b>Classification according to ADR:</b>	no dangerous goods ,
- Classification Code:	
- ADR Limited Quantities:	
- Label:	
<b>Classification according to IMDG:</b>	not classified as "Dangerous Goods" - -
- IMDG Limited Quantities:	
- EMS:	
- Label:	
<b>Classification according to IATA:</b>	not classified as "Dangerous Goods"
- Label:	

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### 15 Regulatory information

<b>Exposure scenario:</b>	not determinated
<b>Chemical safety report:</b>	not determinated
<b>Labelling:</b>	All chemicals in this product are included on the "European Inventory of Existing Commercial Chemical Substances - EINECS or ELINCS". The product does not require a hazard warning label in accordance with EC-directives.
<b>Hazard symbols:</b>	
<b>R-phrases:</b>	none
<b>S-phrases:</b>	none
<b>Special labelling:</b>	not applicable
<b>Authorisation, TITEL VII:</b>	not applicable
<b>Restrictions, TITEL VIII:</b>	not applicable
<b>EEC-REGULATIONS:</b>	1967/548 (2004/73, 29. ATP); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006.
<b>TRANSPORT-REGULATIONS:</b>	ADR (2007); IMDG-Code (33. Amdt.); IATA-DGR (2008).
<b>NATIONAL REGULATIONS (GB)</b>	EH40/2005 Workplace exposure limits with amendments October 2007.

### 16 Other informations

<b>Modified position:</b>	none
<b>Observe employment restrictions for people:</b>	no
<b>VOC (1999/13/CE):</b>	not applicable
<b>Customs Tariff:</b>	not determinated

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.

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