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1 Identification of the substance / preparation and of the company

Product: Tenax®-J HTA 5R31
Registration number: not applicable
Use: chopped fiber
Identified use: none
Method of operation: See product information.
Company: Toho Tenax Europe GmbH
 Kasinostr. 19-21
 42103 Wuppertal / Deutschland
Phone: +49 202 32-3435
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: In the supplied form the product isn't not explosive at all ; however the build-up of fine dust can lead to a risk of dust explosions. 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: Supply with medical care. 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: none
Special exposure hazards arising from the substance or preparation itself or combustion products: risk of formation of toxic pyrolysis products, carbon monoxide (CO), not combusted hydrocarbons Nitrogen oxides (NOx).
Special protective equipment for firefighters: Use self-contained breathing apparatus. Do not inhale explosion and/or combustion gases.
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: not applicable
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. Dust can form an explosive mixture with air.
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 ³ *, 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. It is essential for pregnant women to avoid inhaling the product and not to let it come in contact with the skin.
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]:	> 100
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/m³]:	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. Accumulation of fine dust may entail the risk of a dust explosion in the presence of air.
Hazardous decomposition products:	No hazardous decomposition products known.

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11 Toxicological information

Acute oral toxicity:	not determined
Acute dermal toxicity:	not determined
Acute inhalational toxicity:	not determined
Irritant effect on eye:	not determined
Irritant effect on skin:	not determined
Sensitization:	not determined
Subacute toxicity:	not determined
Chronic toxicity:	not determined
Mutagenicity:	not determined
Reproduction toxicity:	not determined
Carcinogenicity:	not determined
Experiences made in practice:	None fibres with diameter below 3 micrometers. The filament is not breathable (IARC). Fiber abrasion can cause mechanical skin irritation.
General remarks:	The product was classified on the basis of the calculation procedure of the preparation directive.

12 Ecological information

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

13 Disposal considerations

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

14 Transport information

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

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15 Regulatory information

Exposure scenario:	not determinated
Chemical safety report:	not determinated
Labelling:	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.
Hazard symbols:	
R-phrases:	none
S-phrases:	none
Special labelling:	Contains isocyanates. Observe manufacturer's instructions.
Authorisation, TITEL VII:	not applicable
Restrictions, TITEL VIII:	not applicable
EEC-REGULATIONS:	1967/548 (2004/73, 29. ATP); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006.
TRANSPORT-REGULATIONS:	ADR (2007); IMDG-Code (33. Amdt.); IATA-DGR (2008).
NATIONAL REGULATIONS (GB)	EH40/2005 Workplace exposure limits with amendments October 2007.

16 Other informations

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