

Carbon Fiber**Product code: CF-KOHPA**

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In case of dust formation: irritation of the mucous membranes, skin, respiratory tract and eyes may occur.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Practical experience**Other observations**

Fiber abrasion can cause mechanical skin irritation.

Further information

Carbon fiber itself does not emit WHO-fibre particles that are respirable and/or alveolar (IARC). Definition of WHO-fibre particle: length $\geq 5 \mu\text{m}$, diameter $\leq 3 \mu\text{m}$ and length-to-diameter ratio 3:1.

During mechanical processing fine dust could be formed as a result of abrasion, and which might be included fractions of WHO-fibre particles that are respirable and/or alveolar.

SECTION 12: Ecological information**12.1. Toxicity**

☐ No information available.

12.2. Persistence and degradability

☐ No information available.

12.3. Bioaccumulative potential

☐ No information available.

12.4. Mobility in soil

☐ Insoluble in water. The product is slightly mobile in soils.

12.5. Results of PBT and vPvB assessment

☐ This substance does not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

The product is inert to naturally occurring substances in soil. Due to the resistance to rotting, do not release into the environment or sewers

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation. The listed waste disposal number is considered to be advice according to the list of wastes. The final regulation must be in coordination with the regional disposer. According to local regulations and after consulting the disposer and the responsible authority it may be burnt together with domestic waste.

Waste disposal number of waste from residues/unused products

061399 WASTES FROM INORGANIC CHEMICAL PROCESSES; wastes from inorganic chemical processes not otherwise specified; wastes not otherwise specified

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Waste disposal number of used product

061399 WASTES FROM INORGANIC CHEMICAL PROCESSES; wastes from inorganic chemical processes not otherwise specified; wastes not otherwise specified

Waste disposal number of contaminated packaging

150101 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); paper and cardboard packaging

Contaminated packagingNon-contaminated packages may be recycled.
Handle contaminated packages in the same way as the substance itself.**SECTION 14: Transport information****Land transport (ADR/RID)**

14.1. UN number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.
Other applicable information (land transport)

Inland waterways transport (ADN)

14.1. UN number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.
Other applicable information (inland waterways transport)

Marinetransport (IMDG)

14.1. UN number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.
Other applicable information (marine transport)

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.
Other applicable information (air transport)

14.1. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.2. Special precautions for user

No special precautionary measures are necessary. For further information see section 7.

14.3. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the article****EU regulatory information****Additional information**

Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer: not applicable

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REGULATION (EC) No 850/2004 on persistent organic pollutants: not applicable
REGULATION (EC) No 689/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL concerning the export and import of dangerous chemicals: This mix contains no chemicals that are subject to the export notification procedures (annex 1).

This product does not contain any substances of very high concern according to REACH VO EG No. 1907/2006, Art. 57 above the legal concentration limit ≥ 0.1 wt %

This product does not contain any substances listed in the RoHS (or contains in concentration below the limits as specified therein.)

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water contaminating class (D): - - not water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**16.1 Changes**

Version 1,00 - 07.01.2020 – Creation

16.2. Hazard information (Chapter 2 and 3)

TRGS 521: We are recommend to take actions according to the measured fibre dust concentration. If in doubt, we recommend to take actions for category of exposure 3 ($\geq 250\ 000$ fibres/m³).

16.2.1 Methods according to article 9 of (EC) No. 1272/2008 (CLP) for the evaluation of available information

The product classification has been determined based on a mixture and in accordance with the technics of the calculation method

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

BImSchV (Fed.Imm.Prot.Act): Directive on the Implementation of the Federal Immission Protection Act

CAS: Chemical Abstracts Service

DIN: Norm of the Deutsche Institut für Normung (German Institute for Standardization)

EC: Effective Concentration

EG: European Community (Europäische Gemeinschaft)

EN: European Norm

IATA: International Air Transport Association

IBC Code: International Code for the Construction and Equipment of ships carrying Dangerous Chemicals in Bulk

ICAO: International Civil Aviation Organization

IMDG: International Maritime Code for Dangerous Goods

ISO: Norm of the International Standards Organization

CLP: Classification, Labeling, Packaging

IUCLID: International Uniform Chemical Information Database

LC: Lethal concentration

LD: Lethal dose

log Kow: Octanol/water partition coefficient

MARPOL: Maritime Pollution Convention = Convention for the Prevention of Maritime Pollution from Ships

OECD: Organisation for Economic Co-operation and Development

PBT: Persistent, bio-cumulative, toxic

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail

TRGS: Technische Regeln für Gefahrstoffe

UN: United Nations

VOC: Volatile Organic Compounds

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vPvB: very persistent and very bio-cumulative
VwVwS: Administrative Regulation for Water Pollutants
WGK: German Water Hazard Class
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
DNEL: Derived No Effect Level
PNEC: Predicted No Effect Concentration
TLV: Threshold Limiting Value
STOT: Specific Target Organ Toxicity

Further Information

The present product is an article according to Directive (EG) Nr. 1907/2006 (REACH).
There is no legal obligation to provide a safety data sheet for an article. The information data sheet was developed to provide the same information that is typically available in safety data sheets.

The information given in this safety data sheet is to describe the product's safety regulations. It is not for guaranteeing certain characteristics and is based on today's knowledge. The safety data sheet was generated upon information of pre-suppliers by:

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(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)