

Material Safety Data Sheet

No: STD-20240219-015N-2

Sample Name:

Activated carbon filter element

Applicant:

Hebei Huiquan Water Purification Technology Co.,
Ltd.

Applicant Address:

New Industrial Park, Jize County, Handan City,
Hebei province

Contacts:

Wang Shaofeng

Approver:

吕元林

Standard Testing Group Co., Ltd.

Issue Date:

2024.02.22





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1 Chemical product and company identification

Chemical name	Activated carbon filter element	Chemical No	20240219-516001
Manufacturer	Hebei Huiquan Water Purification Technology Co. , Ltd.		
Manufacturer Address	New Industrial Park, Jize County, Handan City, Hebei province		
Postcode	057350	Tel	19932055555
Fax	--	Emergency Tel	0310-7691111
Emile	xgwsf@163.com		

2 Hazards summarizing

Hazards category	None	
Hazard level	None	
GHS label elements (pictograms / warnings)	None	None
Hazard code and description	None	
Entry route	None	
Health hazard	No harm	
Environmental hazard	No harm	
Explosion hazard	Combustible	

3 Composition/information on ingredients

☒ Pure

☐ Mixture (chemical composition as shown in the table below)

Chemical Name	Chemical formula	Molecular weight	Ingredient ratio (%)	CAS No.
activated carbon	C	12	100	64365-11-3



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4 First-aid measures

Skin contact	Contact with no special hazards.
Eye contact	Lift the eyelids and rinse with flowing water or physiological saline (if possible, remove contact lenses). Seek medical attention if necessary.
Inhale	No harm
Intake	Rinse your mouth and provide medical care

5 Fire-fighting measures

Dangerous characteristics	Exposure to open flames and high heat may cause combustion and explosion. In a fire, heated containers pose a risk of explosion.
Hazardous combustion products	CO,CO ₂
Fire fighting methods	Move the container from the fire site to an open area as much as possible. Spray water to keep the fire container cool until the fire is extinguished.
Applicable fire extinguishing media	Foam, dry powder, carbon dioxide, sand, fog water.
Protective equipment for firefighters	Firefighters must wear masks and full body firefighting clothing.

6 Accidental release measures

Emergency action	Quickly evacuate personnel from the contaminated area to a safe area, isolate them, and strictly restrict entry and exit. Cut off the ignition source. Cut off the source of leakage as much as possible. Close the drainage pipeline. Transfer to a tank truck or dedicated collector using an explosion-proof pump for recycling or transportation to a waste disposal site for disposal.
Emergency personnel protection measures	It is recommended that emergency personnel wear masks and protective clothing. Wear rubber oil resistant gloves. Spills and leaks in the absence of fire should be wearing vapor protective clothing and completely sealed. Do not touch or pass through the leakage.
Environmental protection measures	Take measures to prevent further leakage while ensuring safety.
Elimination method	Use high-strength plastic packaging barrels for recycling or transport to waste disposal sites for disposal.

7 Handling and storage

Handling precautions	Closed operation, fully ventilated. Operators must undergo specialized training and strictly adhere to operating procedures. It is recommended that operators wear masks
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	and protective clothing. Wear rubber oil resistant gloves. Keep away from sparks and heat sources, and smoking is strictly prohibited in the workplace. Use explosion-proof ventilation systems and equipment. Avoid contact with oxidants. When transporting, it is necessary to load and unload gently to prevent damage to the packaging and containers. Equip corresponding types and quantities of firefighting equipment and emergency response equipment for leaks.
Storage precautions	It should be stored separately from oxidants and should not be mixed for storage. Using explosion-proof lighting and ventilation facilities. Prohibit the use of mechanical equipment and tools that are prone to sparks. The storage area should be equipped with emergency response equipment for leaks and suitable storage materials.

8 Exposure controls/personal protection

Maximum allowable concentration	--
Monitoring method	No data
engineering control	Maintain adequate ventilation, especially in enclosed areas. Ensure that there are eye wash and shower facilities near the workplace. Use explosion-proof electrical appliances, ventilation, lighting and other equipment. Set up emergency evacuation channels and necessary risk relief areas.
General requirements for personal protection	    
Respiratory protection	If the vapor concentration exceeds the occupational exposure limit or symptoms such as irritation occur, please use a full face multifunctional gas mask (US) or AXBEK type (EN 14387) gas mask cartridge.
Eye protection	Wear chemical safety goggles (in accordance with EU EN 166 or US NIOSH standards).
Body protection	Wear protective clothing.
Hand protection	Wear rubber oil resistant gloves.
Other protection	Smoking, eating, and drinking are prohibited at the workplace.

9 physical and chemical properties

Exterior	The finished product is a black cylindrical solid (raw material is black particles)		
Colour	black	Odor	No odor



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Density	--	Boiling point	No data
Melting point	No data	Flash point	No data
Air pressure	No data	Water soluble	Insoluble in water
Partition coefficient (N-octanol--water)	No data	Viscosity	No data
pH	--	Permissible amount of solvent intake	No data
Solubility	Insoluble in water	Ignition temperature	No data

10 Stability and reactivity

Stability	Stable under normal conditions.
Incompatible materials	Strong oxidant
Conditions to avoid	Fire source, heat source.
Aggregation hazard	None
Decomposition products	Under normal circumstances, no harmful substances are generated.

11 Toxicological information

Acute toxicity	No data
Subacute and chronic toxicity	No data
Irritating	No data
Sensitization	No data
Mutagenicity	No data
Carcinogenicity	No data
Other	--

12 Ecological information



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Ecotoxicity	There is no known significant impact or serious hazard.
Biodegradability	--
Non-biodegradability	--
Biological toxicity or bioaccumulation	--
Other harmful effects	There is no known significant impact or serious hazard.

13 Disposal

Nature of waste	--
Disposal methods	Before disposal, relevant national and local regulations should be consulted. Suggest using incineration method for disposal.
Disposal considerations	--



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14 Transport information

Dangerous goods No.	Non dangerous goods.
UN No	Non dangerous goods.
Packaging logo	--
Wrapping method	Package according to the method recommended by the manufacturer.
Transportation considerations	Before transportation, check whether the packaging container is complete and sealed, and ensure that the container does not leak, collapse, fall, or damage during transportation. Transport vehicles and vessels must be thoroughly cleaned and disinfected, otherwise no other goods may be carried. Avoid exposure, rain and high temperature during transportation. Stay away from fire and heat sources during the stopover. It is isolated from engine room, power supply, fire source and other parts. Road transport should follow the prescribed route, do not stay in residential and densely populated areas. It is forbidden to slip them in railway transportation.

15 Regulatory information

Regulatory Information	ISO 11014-2009 chapter on contents and sequence of safety data sheets for chemicals; Regulation (EC) No 1272 -- 2008 regulations on classification, labelling and packaging of substances and mixtures; IMDG Code international maritime dangerous goods code.
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16 Other information

The above information is based on the accuracy of the data, because this information may be applied or modified beyond our control, for which we shall not bear any responsibility. This information is configured at the recipient's discretion for the exclusive purpose of the material.



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The Picture of Sample



Fig.1 The picture of sample

The end of report



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NOTES

- 1.The report is invalid without signatures or seals of the editor, reviewer and approver, and it is also invalid without the “test special chapter” and its riding seal.
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Testing Company: Standard Testing Group Co., Ltd.

Address: LANEBEST Innovation Park, No.1 Jinye Road, Qingdao National Hith-tech Industrial Development Zone, Qingdao, Shandong