Safety Data Sheet

1. Product and Company Information

Product name	:	Activated Carbon Cartridge Filter TCC-(WL,WH)-(S,D,T)0CP
Supplier company name, address, phone number		
Company	:	Toyo Roshi Kaisha, Ltd.
Head office	:	Hibiya-Kokusai BLDG 5F, 2-2-3 Uchisaiwaicho, Chiyoda-ku, Tokyo, 100-0011 Japan
Section in charge	:	Quality Assurance Division
Phone	:	+81-3-5521-2176
Fax	:	+81-3-5521-2177
E-mail	:	trk-hinsho@advantec.co.jp
Recommended application	:	Removed residual chlorine
Product usage restrictions	:	Please consult in advance when using for other purposes. When using for filtration of organic solvents, use a stainless steel housing and ground it for antistatic measures. Not for use in oils and fatty foods.

2. Hazard Summary

GHS Classification		
Physical hazards	:	Not classified.
Human health hazard	:	Not classified.
Environmental hazard	:	Not classified.
Label element	:	None.

3. Composition and Information on ingredients

Single substance/Mixtures	:	Mixtures
Chemical name or general name	:	Activated Carbon Cartridge Filter
Ingredients and Content	:	Polyethylene terephthalate(Support media) (CAS №25038-59-9) (CAS №24938-04-3) Activated Carbon (CAS №7440-44-0) Polyethylene(Support media ,Gasket cum Cap) (CAS №9002-88-4) (CAS №9010-79-1)
Reference Number in Gazetted List in Japan		
Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture etc. Japanese Chemical Substances Control Act.	:	(7)-1022 Polyethylene terephthalate (7)-1026 Polyethylene terephthalate (6)-1 Polyethylene
Japan's Industrial Safety and Health Act.	:	Not applicable.
UN classification	:	Class 4.2 (Pyrophoric substances) GradeⅢ Activated Carbon
UN number	:	1362 Activated Carbon Not a UN classification as a mixture.

4. First Aid Measures

Inhalation	:	Not applicable.
Skin contact	:	Not applicable.
Eye contact	:	Not applicable.
Ingestion	:	Not applicable.

5. Fire Fighting Measures

Extinguishing media	:	Plenty of water (spray), dry chemicals, carbon dioxide, foam chemicals, and halogen media.
Unacceptable extinguishing media	:	No data available.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	:	No data available.
Precautions for environment	:	No data available.
Methods and materials for containment and cleaning up	:	No data available.

7. Handling and Storage

Handling	:	Please be careful about the handling by the fire. Avoid strong acids and strong bases.
Storage	:	Avoid direct sunlight, ultraviolet light, wetting, high and low temperatures, high humidity, open-air storage, strong acids and strong bases. If a total stored amount exceeds 3,000 kg, follow Fire Defense Law(specific combustible material)

8. Exposure controls / Personal protection

Allowable concentration	:	No data available. (Activated Carbon)
Acceptable concentration Japan Society for Occupational Health	:	Aspirable dust ; 0.5mg/m³(Activated Carbon) Dust ; 2.0 mg/m³ (Activated Carbon)
Acceptable concentration ACGIH	:	Not configuration.
Facility provision	:	Take measures if necessary.
Protective equipment	:	Use appropriate protective tools if necessary.

9. Physical and Chemical Properties

Physical property	:	Solid, Tubular filter.
Color	:	Dark gray.
Odour	:	None.
Melting point / Freezing point	:	No data available.
Boiling point or initial boiling point and boiling range	:	No data available.
Flammability	:	Yes.
Lower explosion limit and upper explosion limit / Flammability limit	:	Not applicable.
Flash point	:	Not applicable.
Spontaneous ignition point	:	Not applicable.
Decomposition temperature	:	Not applicable.
pH	:	No data available.
Kinematic viscosity	:	Not applicable.
Solubility	:	Insoluble in water.
n-octanol / Water partition coefficient	:	No data available.

Vapor pressure	:	No data available.
Density or relative density	:	No data available.
Relative gas density	:	Not applicable.
Particle characteristics	:	No data available.

10. Stability and Reactivity

Reactivity	:	Stable under normal handling.
Stability	:	Stable under normal handling.
Possibility of hazardous reactions	:	No data available.
Conditions to avoid	:	Aoid strong acids and strong bases.
Incompatible materials	:	No data available.
Hazardous decomposition products	:	No data available.

11. Toxicological Information

Acute toxicity		
(oral)	:	Not classified.
(dermal)	:	Classification not possible due to lack of data.
(inhalation: gases)	:	Classification not possible due to lack of data.
(inhalation: vapours)	:	Classification not possible due to lack of data.
(inhalation: dusts and mists)	:	Classification not possible due to lack of data.
Skin corrosion/ Irritation	:	Classification not possible due to lack of data.
Serious eye damage/ eye irritation	:	Classification not possible due to lack of data.
Respiratory sensitization / Skin sensitization	:	Classification not possible due to lack of data.
Germ cell mutagenicity	:	Classification not possible due to lack of data.
Carcinogenicity	:	Classification not possible due to lack of data. (As an ingredient) It has been classified by IARC as a Group 3 (Not classifiable as to its carcinogenicity to humans), which the data is insufficient at this time. (Polyethylene)
Reproductive toxicity	:	Classification not possible due to lack of data.
Specific target organ toxicity - Single exposure	:	Classification not possible due to lack of data.
Specific target organ toxicity - Repeated exposure	:	Classification not possible due to lack of data.
Aspiration hazard	:	Classification not possible due to lack of data.

12. Ecological Information

Ecotoxicity		
Hazardous to the aquatic environment (acute)	:	Classification not possible due to lack of data.
Hazardous to the aquatic environment (chronic)	:	Classification not possible due to lack of data.
Persistence and Degradability	:	No data available.
Bioaccumulative potentional	:	No data available.
Mobility in soil	:	No data available.
Ozone layer hazard	:	Classification not possible due to lack of data.

13. Disposal Considerations

Dispose of in accordance with federal, state and local regulations.
Just like disposal of general industrial waste, ask for industrial waste disposer accepted by prefectural governors or for a local public agency for disposal.
When incinerating the material, use the specific incineration facility. Take appropriate procedure that satisfies Clean Air Act, Waste Disposal and Public Cleaning Law, and Clean Water Law. (We recommend disposing the material as industrial waste.)

14. Transport Information

Regulatory information when there are domestic regulations	:	Specific flammable materials in the Fire Defense Law.

15. Regulatory Information

Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture etc. Japanese Chemical Substances Control Act.	:	Existing Chemical Substances (7)-1022 Polyethylene terephthalate (7)-1026 Polyethylene terephthalate (6)-1 Polyethylene
Fire Defense Law	:	Article 9-4 (Standard for storage and handling of hazardous material with less than specified amount), Article 1-12 on regulations of hazardous materials, and Group 4 specific flammable materials (synthetic resin. If a total amount is 3,000 kg, follow Fire Defense Law. If a total amount is less than 3,000 kg, follow the regulations defined by municipal ordinance for storage and handling of the material).

16. Other information

Handling of written contents
Contents of this data sheet are based on materials, information, and data acquirable at this point and are subject to revision due to new knowledge.
In addition, contents such as contained amount, physical and chemical properties, and hazards identification are not subject of any guarantee. These precautions are applied only during standard handling. If the material is used in a special way, take appropriate safety measures that correspond to actual applications and usages.
Each user is responsible to take appropriate measures with due consideration of contents in this sheet.
Please note that this Safety Data Sheet is created according to Japanese law.

List of references

- Classification of chemicals based on “Globally Harmonized System of Classification and Labelling of Chemicals(GHS)”（JIS Z 7252:2019）
- Hazard communication of chemicals based on GHS—Labelling and Safety Data Sheet (SDS)（JIS Z 7253:2019）