Reference No.: MH-6019J-16 Depth Cartridge Filter TCPD-(008A,01A,02A,03A,05A,1,3,7,10,30)-(S,D,T,Q)1(F,N,M,R,P)E

Toyo Roshi Kaisha, Ltd. 1/5 Issued Date: January 25, 2016 Revised Date: April 10, 2024

Safety Data Sheet

1. Product and Company Information

Product name : Depth Cartridge Filter

TCPD-(008A,01A,02A,03A,05A,1,3,7,10,30)-

(S,D,T,Q)1(F,N,M,R,P)E

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 Department

Phone : +81-3-5521-2176 Fax : +81-3-5521-2177

E-mail : trk-hinsho@advantec.co.jp Recommended application : Liquid and Air Filtration.

Restrictions in use : • Please consult us for other uses.

• When using for filtration of organic solvents, use a stainless steel housing and ground it for antistatic measures.

2. Hazard Summary

GHS Classification

Physical hazards : Not applicable to the classification. Human health hazard : Not applicable to the classification. Environmental hazard : Not applicable to the classification.

Label element : N/A

3. Composition and Information on ingredients

Chemical substance/Mixture : Mixture

Chemical name or general product name : Depth Cartridge Filter

Ingredients and Content : Polypropylene (Filter, Support media, Core

tube, Outer sleeve, End cap)

(CAS No.9003-07-0) (CAS No.9010-79-1)

(CAS NO.9010-79-1)

Ethylene propylene ethylidene norbornene

(Gasket*1)

(Gasket 1)

(CAS No.25038-36-2)

Less than 1.5% of carbon black and mineral oil, 0.5% of Tetramethylthiuramdisulfide and

Tellurium-Diethyldithiocarbamate.

Ethylene propylene ethylidene norbornene

(O-ring*2)

(CAS No.25038-36-2)

Less than 0.4% of carbon black and 0.3% of

mineral oil.

*1 (Gasket - End fixture code: F type)

*2 (O-ring - End fixture code: N,M,R,P

type)

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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.

Japan's Industrial Safety and Health Act.

(6)-402 Polypropylene(6)-10 Polypropylene

(6)-47

Ethylene propylene ethylidene norbornene (2)-1820 Tetramethylthiuramdisulfide (2)-1842 Tellurium-Diethyldithiocarbamate

Appendix No.9-130 Carbon black Appendix No.9-168 Mineral oil

Appendix No.9-372

Tetramethylthiuramdisulfide

Appendix No.9-376

Tellurium-Diethyldithiocarbamate

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

Personnel precautions, protective

equipment and emergency procedures

Precautions for environment Methods and materials for containment

and cleaning up

No data available.

: No data available.

No data available.

7. Handling and Storage

Handling : 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. Prevention of exposure and human body protection

Acceptable concentration : No data available.

Japan Society for Occupational Health

Acceptable concentration : No data available.

ACGIH

Facility provision : Take effective measures if necessary.

Protective equipment : Use appropriate protective tools if necessary.

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9. Physical and Chemical Properties

Physical property : Solid, Tubular filter.

Color : White.
Odour : None.

Melting point / Freezing point : No data available. Boiling point or initial boiling point and : No data available.

boiling range

Flammability : Yes.

Lower explosion limit and upper : Not applicable.

explosion limit / Flammability limit

Not applicable. Flash point Spontaneous ignition point Not applicable. Decomposition temperature Not applicable. No data available. Kinematic viscosity Not applicable. Insoluble in water. Solubility 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.

10. Stability and Reactivity

Particle characteristics

Reactivity : Stable under normal handling. Chemical Stability : Stable under normal handling.

Possibility of hazardous reactions : No data available.

Conditions to avoid : Avoid strong acids and strong bases.

Hazardous substances for mixing : No data available. Hazardous decomposition products : No data available.

11. Toxicological Information

Acute toxicity

(oral) Not applicable to the classification. Cannot be classified due to lack of data. (dermal) (inhalation: gases) Cannot be classified due to lack of data. Cannot be classified due to lack of data. (inhalation: vapours) (inhalation: dust and mist) Cannot be classified due to lack of data. Cannot be classified due to lack of data. Skin corrosion/Irritation Serious eye damage/ eye irritation Cannot be classified due to lack of data. Respiratory sensitization / Skin Cannot be classified due to lack of data.

sensitization

Germ cell mutagenicity : Cannot be classified due to lack of data.

Carcinogenicity : Cannot be classified due to lack of data.

(As an ingredient)

No data available.

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.

(Polypropylene)
Cannot be classified due to lack of data.

Reproductive toxicity : Cannot be classified due to lack of data. Specific target organ toxicity - Single : Cannot be classified due to lack of data.

exposure

Specific target organ toxicity - Repeated

exposure

Cannot be classified due to lack of data.

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Depth Cartridge Filter Reference No.: MH-6019J-16 TCPD-(008A,01A,02A,03A,05A,1,3,7,10,30)-

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Cannot be classified due to lack of data. Aspiration hazard

12. Ecological Information

Ecotoxicity

Hazardous to the aquatic environment

(acute)

Hazardous to the aquatic environment

(chronic)

Persistence and Degradability No data available. Bioaccumulative potentional No data available. Mobility in soil No data available.

Ozone layer hazard Cannot be classified due to lack of data.

13. Disposal Considerations

Dispose it in accordance with national, prefectural and local regulations.

The same as general industrial waste, outsource industrial waste disposal companies or local public organizations who are authorized by governors.

In case of the incineration, use controlled incinerator following Air Pollution Control Law, Waste Disposal & Public Cleaning Law and Water Pollution Control Law. (We recommend disposing the material as an industrial waste.)

14. **Transportation Notes**

Regulatory information in case there are

domestic regulations.

Applicable as designated Flammables in the

Cannot be classified due to lack of data.

Cannot be classified due to lack of data.

Fire Service Act.

15. Applicable Law

> · Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture etc.

> Japanese Chemical Substances Control Act.

Existing Chemical Substances

(6)-402Polypropylene (6)-10Polypropylene

(6)-47Ethylene propylene ethylidene

norbornene

(2)-1842 Existing Chemical Substances Priority assessment chemical substances, Existing chemical substances, Old Class 2chemical substances, Old Class 3 chemical

substances.

(2)-1820 Tetramethylthiuramdisulfide Japan's Industrial Safety and Health Act

Dangerous/Hazardous Material which should Show or Indicate Its Name etc.

Appendix No.9-130 Carbon black Appendix No.9-168 Mineral oil

Appendix No.9-372

Tetramethylthiuramdisulfide

Appendix No.9-376

Tellurium-Diethyldithiocarbamate

Class I Designated Chemical Substance Chemical conversion method

(1)-268 Tetramethylthiuramdisulfide

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).

Reference No.: MH-6019J-16 Depth Cartridge Filter Toy TCPD-(008A,01A,02A,03A,05A,1,3,7,10,30)- ISSI (S,D,T,Q)1(F,N,M,R,P)E

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16. Note:

The descriptions in this Safety Data Sheet are made based on the literature, information or data that we can obtain at this moment but subject to be revised with new knowledge in the future.

The content, physical and chemical properties, hazards, etc. do not provide any assurance, and precautions are intended for normal handling. For special handling, take appropriate safety measures for the intended use.

Please take that this safety data sheet is for your reference and take appropriate measures in accordance with actual conditions under your responsibility.

Please note that this Safety Data Sheet is created according to Japanese law.

Reference Literature

- Classification of chemicals based on "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)" (JIS Z 7252:2019)
- Communicating hazard information on labels based on GHS—Labelling, Posting in the workplace and Safety Data Sheet (SDS) (JIS Z 7253:2019)