

Safety Data Sheet

1. Chemical product and Company Information

Name of chemical : Coated Cellulose Acetate Type Filter
Supplier's name, address and phone number
Company : Toyo Roshi Kaisha, Ltd.
Address : Hibiya-Kokusai BLDG 5F, 2-2-3,
Uchisaiwaicho, Chiyoda-ku,
Tokyo, 100-0011 Japan
Section in charge : Quality Assurance Division
Phone : 81-(0)3-5521-2176
Fax : 81-(0)3-5521-2177
Mail address : trk-hinsho@advantec.co.jp
Recommended application : Particle removal
Use restrictions : In case of other purpose of use, please
contact us to discuss.

2. Hazard Summary

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

3. Composition and Information on ingredients

Chemical substances/Mixtures : Mixtures
Chemical name or general name : Filter
Ingredients and Concentration or concentration range
: Cellulose acetate (Filter)
(CAS No.9004-35-7)
Polyethylene terephthalate (Base material)
(CAS No.25038-59-9)
Wetting agent
Law Concerning the Evaluation of Chemical Substances and Regulation of Their
Manufacture, etc. : (8)-165 Cellulose acetate
(7)-1022 Polyethylene terephthalate
Japan's Industrial Safety and Health Law
: Not applicable.

4. First Aid Measures

Inhalation : No data available.
Skin contact : No data available.
Eye contact : No data available.
Ingestion : Immediately spit out, gargle and wash mouth. In case of abnormality, consult with
a physician.

5. Fire Fighting Measures

Appropriate extinguishing media	: Plenty of water (spray), dry chemicals, foam chemicals, carbon dioxide and halogen media.
Unacceptable extinguishing media	: No data available.
Extinguishing procedure	: Take the same procedure as a general fire. Since black, carbon monoxide, carbon dioxide and so on will produce, wearing appropriate protective clothing is required in case of firefighting.

6. Accidental Release Measures

Personal precautions, Protective equipment and emergency procedures	: No data available.
Precautions for environment	: No data available.
Containment and purification procedures and equipment	: No data available.

7. Handling and Storage

Handling	: No data available.
Storage	: Avoid direct sunlight, ultraviolet light, water leak, 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: Synthetic resin).

8. Exposure controls / Personal protection

Acceptable concentration	
Japan Society for Occupational Health	: No data available.
ACGIH	: No data available.
Facility provision	: Take as needed.
Protective equipment	: Use appropriate protective tools if necessary.

9. Physical and Chemical Properties

Physical state	: Solid, Porous membrane integrated with non-woven fabric.
Color	: White.
Odor	: None.
Melting point / Freezing point	: No data available.
Boiling point or initial boiling point and Boiling range	: No data available.
Flammability	: Yes.
Lower limit and Upper limit of explosion/ Flammable limit	: Not applicable.
Flash point	: Not applicable.
Spontaneous firing point	: No data available.
Decomposition temperature	: No data available.
pH	: No data available.
Kinematic viscosity	: Not applicable.
Solubility	: Insoluble to water.
n-octanol / water partition coefficient	: No data available.
Steam 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.
Chemical stability	: Stable under normal handling.
Possibility of hazardous reactions	: No data available.
Conditions to avoid	: Avoid strong acids and strong bases.
Incompatible materials	: No data available.
Hazardous decomposition products	: No data available.

11. Toxicological Information

Acute toxicity	
Oral	: Classification not possible due to lack of data.
Dermal	: Classification not possible due to lack of data.
Inhalation: gas	: Classification not possible due to lack of data.
Inhalation: vapour	: Classification not possible due to lack of data.
Inhalation: dust, mist	: Classification not possible due to lack of data.
Skin corrosion / Irritation	: Classification not possible due to lack of data.
Serious eye damage and eye irritation	: Classification not possible due to lack of data.
Respiratory / 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.
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 potential

: No data available.

Mobility in soil

: No data available.

Ozone layer hazard

: Classification not possible due to lack of data.

13. Disposal Considerations

Dispose 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 and local regulations

: Fire Defense Law under flammable objects.

15. Regulatory Information

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

Japanese Chemical Substances Control Act.

: Existing Chemical Substances (8)-165

Cellulose acetate

Existing Chemical Substances (7)-1022

Polyethylene terephthalate

Fire Defense Law

: Article 9-4 (Standard for storage and handling of hazardous material with less than specified amounts) Article 1-12 on regulations of hazardous materials, and Group 4 specific flammable materials (synthetic resins. 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 Material Safety Data Sheet is created according to Japanese law.

List of references

• Classification method of chemicals based on GHS(JIS Z 7252: 2019)

• Hazard communication of chemicals based on GHS - Labelling and Safety Data Sheet (SDS) (JIS Z 7253: 2019)
