

## Safety Data Sheet

### 1. Chemical product and Company Information

Name of chemical	: DISMIC 25JP020AN、25JP020AN05JS、25JP020AN10JS 25JP050AN、25JP050AN05JS、25JP050AN10JS 13JP020AN、13JP020AN05JS、13JP020AN10JS 13JP050AN、13JP050AN05JS、13JP050AN10JS 03JP050AN
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	: Liquid microfiltration, Gas microfiltration
Use restrictions	: • Cannot be used for liquids without chemical resistance. • During filtration of organic solvents, there is a case where antistatic measures are required. • It can be used for analytical purposes, but not for medical purposes. • Autoclaving while leaving the organic solvent, the filter is damaged.

### 2. Hazard Summary

GHS classification of chemicals	
Physical hazard	: Not classified.
Human health hazard	: Not classified.
Environmental hazard	: Not classified.
GHS Label element	: None.

### 3. Composition and Information on ingredients

Chemical substance/Mixtures	: Mixtures
Chemical name or general name	: Disposable Membrane Filter Unit
Ingredients and Concentration or concentration range	: Polytetrafluoroethylene (CAS No.9002-84-0) (Filter) Polypropylene (CAS No.9010-79-1, 9003-07-0) (Support Media, Housing)

#### Reference Number in Gazetted List in Japan

Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture etc.	: (9)-939 Polytetrafluoroethylene (6)-10 (6)-402 Polypropylene
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Japan's Industrial Safety and Health Act	: Not applicable.
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4. First Aid Measures

Inhalation	: Inhalation of gases generated by thermal decomposition cause a temporary influenza type symptom. The symptoms are headaches, joint pain, general discomfort, fever, coughing, chills, palpitations, and chest discomfort. Consult with a physician.
Skin contact	: Not applicable.
Eye contact	: Not applicable.
Ingestion	: Not applicable.

5. Fire Fighting Measures

Appropriate extinguishing media	: Plenty of water (spray), dry chemicals, carbon dioxide, foam chemicals, and halogen media etc.
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.
Containment and purification procedures and equipment	: No data available.

7. Handling and Storage

Handling	: As the material may generate harmful gas when it is exposed to high temperature, avoid touching it or exposing it to a heat source. Do not allow it to come in contact with alkali metals, aluminum and magnesium.
Storage	: Avoid direct sunlight, ultraviolet light, moisture, high and low temperatures, high humidity, open-air storage, strong acids and strong bases.

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, A small circular filter and a housing are integrated.
Color	: Housing : Transparent, Filter : White
Odour	: 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 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.
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. The material will begin to decompose very slowly when the temperature is above 260 degrees Celsius. Above 400 degrees Celsius, the decomposition speed will increase. Possible decomposition temperature and decomposed products; Above 430 degrees Celsius-Tetrafluoroethylene Above 440 degrees Celsius-Hexafluoropropylene Above 475 degrees Celsius-Perfluoroisobutylene Above 500 degrees Celsius-Carbonyl fluoride
Chemical stability	: Stable under normal handling.
Possibility of hazardous reactions	: No data available.
Conditions to avoid	: As the material may generate harmful gas when it is exposed to high temperature, avoid touching it or exposing it to a heat source. Avoid direct sunlight, ultraviolet light, moisture, high and low temperatures,high humidity, open-air storage, strong acids and strong bases.
Incompatible materials	: No data available.
Hazardous decomposition products	: Tetrafluoroethylene, Hexafluoropropylene, Perfluoroisobutylene, Carbonylfluoride

#### 11. Toxicological Information

Acute toxicity	
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 : No data available.

## 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 Low under flammable objects

## 15. Regulatory Information

### 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).

(Polypropylene)

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

Existing chemical substances (6)-939 (Polytetrafluoroethylene)

Existing chemical substances (6)- 10 (6)-402 (Polypropylene)

## 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 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)