

Safety Data Sheet

1. Product and Company Information

Product name	:	LABODISC 50CP020AS, 50CP045AS 50CP020AN, 50CP045AN
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 microfiltration, Sterile Filtration.
Restrictions in use	:	<ul style="list-style-type: none"> • 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		
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	:	Mixtures
Chemical name or general product name	:	Disposable Membrane Filter Unit
Ingredients and Content	:	Cellulose acetate (CAS No.9004-35-7) (Filter) Polypropylene (CAS No. 9010-79-1) (Houjing) Polyvinyl chloride (CAS No. 9002-86-2) (Rubber cap)
Reference Number in Gazetted List in Japan		
• Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture etc.	:	(8)-165 Cellulose acetate (6)-10 (6)-402 Polypropylene (6)-66 Polyvinyl chloride
Japan's Industrial Safety and Health Act.	:	Not applicable.

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 etc.
Unacceptable extinguishing media	:	Rod-shaped water injection.
6. Accidental Release Measures		
Personnel 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	:	No data available.
Storage	:	Avoid direct sunlight, ultraviolet light, moisture, high and low temperatures, high humidity, open-air storage, strong acids and strong bases
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.
9. Physical and Chemical Properties		
Physical property	:	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 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.
Chemical Stability	:	Stable under normal handling.
Possibility of hazardous reactions	:	No data available.
Conditions to avoid	:	Direct sunlight, ultraviolet rays, water exposure, high temperature, high humidity, outdoor storage.
Hazardous substances for mixing	:	Oxidizers.
Hazardous decomposition products	:	Carbon monoxide and carbon dioxide.

11. Toxicological Information

Acute toxicity (oral)	:	Not applicable to the classification. (As a single substance) Not applicable to the classification. RAT LD ₅₀ >5,000mg/kg (Cellulose acetate)
Skin corrosion/ Irritation	:	Cannot be classified due to lack of data.
Serious eye damage/ eye irritation	:	Cannot be classified due to lack of data.
Respiratory sensitization / Skin sensitization	:	Cannot be classified due to lack of data.
Germ cell mutagenicity	:	Cannot be classified due to lack of data.
Carcinogenicity	:	Cannot be classified due to lack of data.
Reproductive toxicity	:	Cannot be classified due to lack of data.
Specific target organ toxicity - Single exposure	:	Cannot be classified due to lack of data.
Specific target organ toxicity - Repeated exposure	:	Cannot be classified due to lack of data.
Aspiration hazard	:	Cannot be classified due to lack of data.

12. Ecological Information

Ecotoxicity		
Hazardous to the aquatic environment (acute)	:	Cannot be classified due to lack of data.
Hazardous to the aquatic environment (chronic)	:	Cannot be classified 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	:	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 Fire Service Act.
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15. Regulatory Information

Fire Defense Law	:	Article 9-4 (Standard for storage and handling of hazardous material with less than designated amount) Article 1-12 on regulations of hazardous materials Appendix 4 Designated specific flammable materials (Synthetic resin. If the total amount is 3,000 kg or over, follow Fire Service Act. If the total amount is less than 3,000 kg, follow the regulations defined by municipal ordinance for storage and handling of the materials.) (Polypropylene)
• Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture etc.	:	Existing Chemical Substances (8)-165 Cellulose acetate (6)-10 (6)-402 Polypropylene (6)-66 Polyvinyl chloride
• Japanese Chemical Substances Control Act.		

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)