


## Safety Data Sheet

### 1. Product and Company Information

Product name	:	Filter Pad NA-10
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	:	Clarification filtration of liquid.
Restrictions in use	:	• Please consult us for other uses.

### 2. Hazard Summary

GHS Classification	:	
Physical hazards	:	Not applicable to the classification.
Human health hazard	:	
Carcinogenicity	:	Category 1A
Environmental hazard	:	Cannot be classified.
GHS Label element	:	
Pictograms or symbols	:	
Signal words	:	Danger
Hazard statements	:	Potential risk for cancer. Prolonged or repeated inhalation exposure causes lung damage. Avoid breathing dust.
Precautionary statements	:	If there is not sufficient ventilation, wear respiratory protective equipment.

### 3. Composition and Information on ingredients

Chemical substance/Mixture	:	Mixture
Chemical name or general product name	:	Filter Pad
Ingredients and Content	:	Cellulose (CAS No.65996-61-4) Diatomaceous earth (CAS No.68855-54-9) Cristobalite (CAS No.14464-46-1) <40% Quartz (CAS No.14808-60-7) < 2% Polyamide epichlorohydrin resin
Reference Number in Gazetted List in Japan	:	
• Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture etc.	:	Diatomaceous earth (1)-548 Cristobalite (1)-548 Quartz (7)-1961
• Japanese Chemical Substances Control Act.	:	Polyamide epichlorohydrin resin
Japan's Industrial Safety and Health Act.	:	Diatomaceous earth Appendix No.9-165-2 Silica Cristobalite Appendix No.9-165-2 Silica Quartz

Ingredients applicable to GHS classification.	:	Due to the use of natural minerals (Diatomaceous earth), the product contains up to 42wt% of crystalline silica.
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4. First Aid Measures		
Inhalation	:	If inhaled, move to a fresh air, blow nose, gargle. If inhaled in large quantities, flush the nostrils with water and if there are any abnormalities, seek medical attention.
Skin contact	:	Not applicable.
Eye contact	:	Immediately wash thoroughly with clean running water. In case of abnormality, consult with a physician.
Ingestion	:	In case of abnormality, consult with a physician.
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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.
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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.
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7. Handling and Storage		
Handling	:	Be careful about the handling by the fire.
Storage	:	In order to prevent the deterioration and/or degradation caused by moisture absorption, seal the container tightly and store the container at a cool and dark place. Do not store it with oxides and/or organic peroxides.
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8. Prevention of exposure and human body protection		
Administrative concentration	:	No data available.
Acceptable concentration Japan Society for Occupational Health	:	Respirable dust 0.5mg/m <sup>3</sup> (Diatomaceous earth)
		Total dust 2.0mg/m <sup>3</sup> (Diatomaceous earth)
Acceptable concentration ACGIH	:	0.025mg/m <sup>3</sup> (Cristobalite) 0.025mg/m <sup>3</sup> (Quartz)
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, Paperboard with a thickness of approx. 3.5mm.
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 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.

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#### 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 sunshine, ultraviolet, wetting, high temperature, high humidity, open-air storage. Avoid contact with strong oxidizers.
Hazardous substances for mixing	: No data available.
Hazardous decomposition products	: No data available.

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#### 11. Toxicological Information

Acute toxicity	
(oral)	: Cannot be classified due to lack of data.
(dermal)	: Cannot be classified due to lack of data.
(inhalation: gases)	: Not applicable to the classification.
(inhalation: vapours)	: Not applicable to the classification.
(inhalation: dust and mist)	: Cannot be classified due to lack of data.
	(As an ingredient)
	Although it contains crystalline silica, which is considered to be dangerous if it is inhaled, classification is not possible due to lack of data. (Diatomaceous earth)
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	: Category 1A
	It is categorized as "Category 1A" due to its content of a cut-off value (0.1%) or higher of Carcinogenicity Category 1, as the crystalline silica applicable under Category 1A.
	(As an ingredient)
	Category 1A Contains crystalline silica that may harm your health if inhaled.
	IARC classifies crystalline silica as carcinogenic to humans (Group 1).
	Crystalline silica is listed on NTP as a carcinogen. (Diatomaceous earth)

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. (As an ingredient) It is known that crystalline silica could cause silicosis, a non-cancerous disease. (Diatomaceous earth)
Aspiration hazard	:	Cannot be classified due to lack of data.

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## 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

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## 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.)

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## 14. Transportation Notes

Regulatory information in case there are domestic regulations.	:	There are no domestic regulations.
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## 15. Applicable Law

• Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture etc.	:	Existing Chemical Substances (1)-548 Cristobalite (1)-548 Quartz
• Japanese Chemical Substances Control Act.	:	(7)-1961 Polyamide epichlorohydrin resin
Japan's Industrial Safety and Health Act.	:	Hazards and harmful substances should be displayed or notified. Appendix №9-165-2 Silica Cristobalite Appendix №9-165-2 Silica Quartz

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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)
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