Issued Date: May 6, 2003
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Safety Data Sheet

1. Product and Company Information

Product name	: pH Test Paper Book Type MR
Company	: Toyo Roshi Kaisha, Ltd.
Head office	: 1-18-10 Otowa, Bunkyo-ku, Tokyo, 112-0013 Japan
Section in charge	: Quality Assurance Room
Phone	: 81-(0)3-5981-0577
Fax	: 81-(0)3-5981-0583
Emergency contact number	: Same as above
Recommended application and limitation	: pH measurement
Reference No.	: MC-3005J-8

2. Hazard Summary

GHS Classification

Physical hazard		: Not applicable.
Human health hazard		
Acute toxicity	(Oral)	: Not classified.
	(Dermal)	: Not classified.
	(Inhalation: gas)	: Not applicable.
	(Inhalation: vapour)	: Not applicable.
Environmental hazard		: Classification is not possible.
Label element		: None.

3. Composition and Information on ingredients

Single substance/Mixtures	: Mixtures	
Chemical name or general name	: Test Paper	
Ingredients and Content	: Cellulose	(Base paper)
	Methyl Red	(Reagent)
Chemical formula or structural formula	: Cellulose	$[C_6H_{10}O_5]_n$
	Methyl Red	$C_{15}H_{15}N_3O_2$
Reference Number in Gazetted List in Japan		
Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.	: ———	
Japan's Industrial Safety and Health Law	: ———	
CAS No.	: Cellulose	9004-34-6
	Methyl Red	493-52-7
UN Classification	: ———	
UN No.	: ———	

4. First Aid Measures

Eye contact	: Immediately wash thoroughly with clean running water. In case of abnormality, consult with a physician.
Skin contact	: Immediately rinse the adhesion area and/or contact area with a copious amount of clean running water.
Inhalation	: Not applicable.
Ingestion	: In case of abnormality, consult with a physician.

5. Fire Fighting Measures

Extinguishing procedure	: Take the same procedure as a general fire.
Unacceptable extinguishing media	: No data available.
Extinguishing media	: Plenty of water (spray), dry chemicals, carbon dioxide, foam chemicals, and halogen media.

6. Accidental Release Measures

Personal precautions	: No data available.
Protective equipment and emergency procedures	: No data available.
Precautions for environment	: No data available.
Collection/neutralization	: No data available.

Follow [Disposal Considerations] when disposing of the collected material.

7. Handling and Storage

Handling	: ———
Storage	: In order to prevent the alteration and/or deterioration caused by moisture absorption, seal the container tightly and store the container at a cool and dark place. Do not store with oxides and/or organic peroxides.

8. Exposure controls / Personal protection

Administrative concentration	: ———
Acceptable concentration	
Japan Society for Occupational Health	: ———
ACGIH	: ———
Facility provision	: ———
Protective equipment	: Use appropriate protective tools if necessary.

9. Physical and Chemical Properties

Appearance (Physical property, shape, color, etc.)		: Red.
Odour		: None.
pH		: No data available.
Melting point /Freezing point		: No data available.
Flash point		: No data available.
Explosive limit	Upper limit	: No data available.
	Lower limit	: No data available.
Relative density		: No data available.
Solubility		: No data available.
Spontaneous ignition point		: No data available.
Decomposition temperature		: No data available.
Flammability (Solid, gas)		: Yes.

10. Stability and Reactivity

Stability, Reactivity	: Stable under normal handling.
Possibility of hazardous reactions	: No data available.
Conditions to avoid	: High temperature and high humidity.
Incompatible materials	: Oxidizers.
Hazardous decomposition products	: Carbon monoxide, carbon dioxide and Nitrogen oxides.

11. Toxicological Information

Acute toxicity	(Oral)	: Not classified. Due to added result, acute toxicity estimated value (ATE) of above component in composite is determined.
	(Dermal)	: Not classified. Due to added result, acute toxicity estimated value (ATE) of above component in composite is determined.
	(Inhalation: gas)	: Not applicable. Determined due to component concentration of mixture.
	(Inhalation: vapour)	: Not applicable. Determined due to component concentration of mixture.
	(Inhalation: dust, mist)	: Classification is not possible due to lack of data.
Skin corrosion/ Irritation		: Classification is not possible due to lack of data.
Serious eye damage and eye irritation		: Classification is not possible due to lack of data.
Respiratory/ Skin sensitization		: Classification is not possible due to lack of data.
Germ cell mutagenicity		: Classification is not possible due to lack of data.
Carcinogenicity		: Classification is not possible due to lack of data.
Reproductive toxicity		: Classification is not possible due to lack of data.
Specific target organ toxicity - Single exposure		: Classification is not possible due to lack of data.
Specific target organ toxicity - Repeated exposure		: Classification is not possible due to lack of data.
Aspiration hazard		: Classification is not possible due to lack of data.
Other		: RTECS No. DG8960000 (Methyl Red)

12. Ecological Information

Ecotoxicity

Hazardous to the aquatic environment (acute)
: Classification is not possible due to lack of data.

Hazardous to the aquatic environment (chronic)
: Classification is 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 is not possible due to lack of data.
Other	: Do not dispose or release to ocean or any other water area preventing environmental contamination and intake by marine and bird life.

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

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15. Regulatory Information

No data available.

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

- Hazard communication of chemicals based on GHS - Labelling and Safety Data Sheet(SDS) (JIS Z 7253: 2012)