Issued : September 21,2005
Revised : October 15, 2019

Safety Data Sheet

1. Chemical product and Company Information

Name of chemical : pH Test Paper-Booklets BPB

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 : pH measurement(Effective range : pH 2.8 to 4.4)

Use restrictions : Cannot be used for diagnostic purposes.

2. Hazard Summary

GHS classification of chemicals

Physical hazard : Not classified.

Human health hazard : Not classified.

Environmental hazard : Classification not possible.

GHS Label element : None.

3. Composition and Information on ingredients

Chemical substances/Mixtures : Mixtures

Chemical name or general name : Test Paper

Ingredients and Concentration or concentration range

: Cellulose (CAS No.9004-34-6)
Bromphenol Blue (CAS No.115-39-9)

Reference Number in Gazetted List in Japan

Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. : Bromophenol Blue (5)-3566

Japan's Industrial Safety and Health Law : Bromophenol Blue 8-(8)-13

4. First Aid Measures

Inhalation : Not applicable.

Skin contact : Immediately rinse the adhesion area and/or contact area with a copious amount of clean running water.

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.

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.

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	: Be careful in handling fire.
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. If a total stored amount exceeds 1,000 kg, follow Fire Defense Law (specific combustible material：rag and paper waste).

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, Paper with a smooth surface.
Color	: Blue purple.
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	: Not applicable.
Decomposition temperature	: Not applicable.
pH	: No data available.
Kinematic viscosity	: Not applicable.
Solubility	: No data available.
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	: High temperature and high humidity.
Incompatible materials	: Strong oxidizer.
Hazardous decomposition products	: Carbon monoxide, Carbon dioxide , Sulfur oxides, Hydrogen bromide.

11. Toxicological Information

Acute toxicity	
Oral	: Not classified.
Dermal	: Not classified.
Inhalation: gas	: Not classified.
Inhalation: vapour	: Not classified.
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

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 (Rag and paper waste. If a total amount is 1,000 kg, follow Fire Defense Law. If a total amount is less than 1,000 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)