

## SAFETY DATA SHEET

Effective Date 2018/7/9

## 1. Identification

|                     |  |
|---------------------|--|
| * Product name      | Wood Atelier Wood Stain Robin Egg Blue                   |
| * Reference number  | 28420  |
| * Company           | Washin Paint Co.,Ltd.                                    |
| * Company address   | 2100-18 Kamiyoshiba Satte-shi Saitama-ken 340-0121 Japan |
| * Section concerned | Production engineering department                        |
| * Person in charge  | Takeyuki Kawashima                                       |
| * Phone No.         | 0480-48-2021   |
| * FAX No.           | 0480-48-2024   |
| * Emergency contact | 0480-48-2021   |
| * Product kind      | Water based pigment type coloring paint                  |
| * Principal use     | Wood paint   |

## 2. Hazards identification

[ Classification ]

| Hazards  | Category                    | Signal word |
|--|-----------------------------|-------------|
|  | Hazard statement            |             |
| Flammable liquids  | Not classified              |             |
| Acute toxicity Oral  | Not classified              |             |
| Acute toxicity Dermal  | Not classified              |             |
| Acute toxicity Gasas   | Not applicable              |             |
| Acute toxicity Vapours                                       | Not classified              |             |
| Acute toxicity Mists   | Not classified              |             |
| Skin corrosion/irritation                                    | Not classified              |             |
| Serious eye damage/eye irritation                            | Not classified              |             |
| Respiratory sensitization                                    | Not classified              |             |
| Skin sensitization   | Not classified              |             |
| Germ cell mutagenicity                                       | Not classified              |             |
| Carcinogenicity  | Not classified              |             |
| Reproductive toxicity  | Not classified              |             |
| Specific target organ systemic toxicity<br>Single exposure   | Not classified              |             |
| Specific target organ systemic toxicity<br>Repeated exposure | Not classified              |             |
| Aspiration hazard  | Not classified              |             |
| Hazardous to aquatic environment<br>Acute                    | Not classified              |             |
| Hazardous to aquatic environment<br>Chronic                  | Not classified              |             |
| Hazardous to the ozone layer                                 | Classification not possible |             |

\* If the signal word "Danger" applies, the signal word "Warning" should not appear.

\* For the details with "Specific target organ systemic toxicity", refer to "11.Toxicological information".

[ Symbol ]

There is not a corresponding symbol.

[ Precautionary statement ]

( Prevention )

- \* Obtain and understand special instructions before use.
- \* Don't eat, drink or smoke when using this product.
- \* Wear protective gloves and eye/face protection when it needs.
- \* Wash hands thoroughly and gargle after handling.

( Response )

- \* In case of fire, use carbon dioxide/powder/foams for extinction.
- \* If in eyes: Rinse cautiously with water, get medical advice/attention.
- \* If on skin or cloth: Wash with plenty of soap and water. Take off contaminated clothing and exchange it.
- \* If skin irritation occurs, seek medical advice/attention.
- \* If exposed or concerned: Get medical attention/advice.

( Storage )

- \* Store container in the place which well-ventilated and cool.

( Disposal )

- \* Don't dispose contents/container to the river and the sewage.
- \* Dispose contents/container in accordance with local/regional/national regulation.

\* This is the common precautionary statement for water based paint.

## 3. Composition/information on ingredients

Property Mixture  
Product kind Water based pigment type coloring paint

| Chemical name    | Weight (%) | CAS No.    | Chemical structure | Notice duty |
|------------------|------------|------------|--------------------|-------------|
| 2-butoxyethanol  | 0~1        | 111-76-2   | C6H14O2            | ○           |
| copper compounds | 0~1        | —          | —                  | ○           |
| titanium dioxide | 5~10       | 13463-67-7 | TiO                | ○           |
| —                | —          | —          | —                  | —           |
| —                | —          | —          | —                  | —           |

## 4. First-aid measures

( When swallowing )

- \* Without making vomit by force, be rested and have a medical attention.
- \* The vomit doesn't make swallow. Get medical attention.

( When inhaling )

- \* Remove to fresh air and keep at rest in a position comfortable for breathing.
- Seek medical advice/attention if you feel unwell.

( When adhering to the skin )

- \* Wipes up quickly with cloth and washes it off sufficiently using plenty of water and soap.
- Don't use organic solvent, thinner and so on.
- \* If you get damage or feel pain, seek medical advice/attention.

( When entering eyes )

- \* Wash for more than 15 minutes with a plenty of water at once.
- \* Get a medical attention as fast as possible.

## 5. Fire-fighting measures

( Suitable extinguishing media )

- \* Water ( ○ ), Carbon dioxide ( ○ ), Foams ( ○ ), Powder ( ○ ), Dry sand ( ○ ), Other ( ),

( Specific hazards arising from the chemical )

- \* This substance is not inflammable but the dry material is inflammable.
- \* When burning, there is possibility to make carbon monoxide occur.

( Specific extinguishing method )

- \* Tell Fire Service the place and the dangerous/hazardous property.
- \* Prevent outflow being in water pipe or watercourse.
- \* Wear respiratory-protective-equipment and protective-glove.
- \* Remove combustibles quickly from the surrounding area.
- \* Uses the suitable extinguishing media.
- \* Do fire fighting from the windward.

( Special protective equipment and precautions for fire-fighters )

- \* Wear respiratory-protective-equipment, chemical-defense clothes/glove/boots,/glasses/mask as occasion demands.

## 6. Accidental release measures

( Personal precautions, protective equipment and emergency procedures )

- \* Wear protective equipments ( gloves, protective mask, apron and goggles ).

( Environmental precautions )

- \* Prevent outflow being in water pipe or watercourse.
- \* When water pipe or watercourse are polluted, contact organs concerned.

( Methods and materials for containment and cleaning up )

- \* Collects outflow to the container which can be shut, and move it to the safe place.
- \* Prevent outflow using dry sand, earth or other imcombustible material, and make absorb residue to collect it.
- \* It may use water sprayer to absorb the diffusion of vapour.
- \* Dispose wastes based on the regulations concerned.

## 7. Handling and storage

( Handling: Technical measure )

- \* Handle this based on the related laws ( Industrial Safety and Health Law, Fire Defense Law, etc. ).
- \* Follow the operation-standard, keep working atmosphere below TLV, promote ventilation.
- \* After handling, wash hands with soap water. It should wash work clothing separately.

( Handling: Notice )

- \* Avoid contact with strong oxidizing reagent.
- \* It has a fear of causing a reaction by heating, acidic material and alkaline material.
- \* Use the container which has no damage, no corrosion and no breakage.
- \* Gather used containers to the decided safekeeping place.

( Storage )

- \* Store container tightly closed in the place which well-ventilated and cool.

## 8. Exposure controls/personal protection

Standard control concentration, threshold limit value etc.

( Control parameters e.g. occupational exposure limit values or biological limit values )

| Chemical name    | Standard control concentration | Threshold limit value | ACGIH ( TWA ) | PRTR |
|------------------|--------------------------------|-----------------------|---------------|------|
| 2-butoxyethanol  | 25ppm                          | —                     | 20ppm         | —    |
| copper compounds | —                              | —                     | —             | —    |
| titanium dioxide | —                              | —                     | 10mg/m3       | —    |
| —                | —                              | —                     | —             | —    |
| —                | —                              | —                     | —             | —    |

[Equipment measure]

- \* Set up safe shower, bathroom and face washing near the work area, and display the position.
- \* Show the signs such like 'NO UNAUTHORIZED ENTRY'.

( Protection measure )

- \* As occasion demands, wear following guards appropriately.
  - air-supplied respirator, air SCBA, oxygen SCBA, chemical-cartridge respirator,
  - protective glasses, protective gloves, protective boots, protective clothing,
- \* Check protective equipments regularly by the check list.
- \* Don't eat, drink or smoke when using this product.
- \* Wash hands with soap before eat, drink or smoke.
- \* The person who showed the symptom of the asthma once should not contact this chemical because he may cause the same symptom.
- \* Contact lens bring about special harm.
  - Don't use soft contact lens because it absorbs irritant and has possibility to concentrate them.
- \* Wear chemical-proof type protective gloves and antistatic protective shoes.

## 9. Physical and chemical properties

( Physical state: Liquid )

|                 |                              |                                      |         |                                  |         |
|-----------------|------------------------------|--------------------------------------|---------|----------------------------------|---------|
| Colour          | Indicate in the product name | Density                              | 1.08    | Flash point                      | Not     |
| Odour           | Slight resin odour           | PH                                   | 7 - 9   | Ignition point                   | No data |
| Boiling point   | 100 °C (ref.)                | Solubility                           | No data | Flammability or explosive limits |         |
| Vapour pressure | No data                      | Partiton coefficient n-octanol/water |         | Lower                            | No data |
|                 |                              |                                      | No data | Upper                            | No data |

## 10. Stability and reactivity

( Chemical stability )

- \* The product seems to be stable.
- \* It has a possibility of the dangerous/harmful reaction.
- \* It reacts to the oxidizing materials.
- \* No other reactions were informed.

( Conditions to avoid )

- \* Heating, Contact with the avoidance, Ignition source.
- \* Degradation product which has dangerous/hazardous property.
- \* Vapour of organic solvent.
- \* Heat, light, metal powder and peroxide.

## 11. Toxicological information

| Chemical name    | Acute toxicity              |                             |                |                             |
|------------------|-----------------------------|-----------------------------|----------------|-----------------------------|
|                  | Oral                        | Dermal                      | Gasas          | Vapours                     |
| 2-butoxyethanol  | Category 4                  | Category 2                  | Not applicable | Category 2                  |
| copper compounds | Classification not possible | Classification not possible | Not applicable | Classification not possible |
| titanium dioxide | Not classified              | Not classified              | Not applicable | Classification not possible |
| —                | —                           | —                           | —              | —                           |
| —                | —                           | —                           | —              | —                           |

| Chemical name    | Acute toxicity              | Skin corrosion/<br>irritation | Serious eye damage/<br>eye irritation | Respiratory<br>sensitization |
|------------------|-----------------------------|-------------------------------|---------------------------------------|------------------------------|
|                  | Mists                       |                               |                                       |                              |
| 2-butoxyethanol  | Classification not possible | Category 2                    | Category 2A                           | Classification not possible  |
| copper compounds | Classification not possible | Classification not possible   | Classification not possible           | Classification not possible  |
| titanium dioxide | Not classified              | Not classified                | Category 2B                           | Classification not possible  |
| —                | —                           | —                             | —                                     | —                            |
| —                | —                           | —                             | —                                     | —                            |

| Chemical name    | Skin sensitization          | Germ cell<br>mutagenicity   | Carcinogenicity             | Reproductive<br>toxicity    |
|------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
|                  |                             |                             |                             |                             |
| copper compounds | Classification not possible | Classification not possible | Not classified              | Classification not possible |
| titanium dioxide | Classification not possible | Not classified              | Classification not possible | Classification not possible |
| —                | —                           | —                           | —                           | —                           |
| —                | —                           | —                           | —                           | —                           |

| Chemical name    | Specific target organ systemic toxicity |                             | Aspiration hazard           |
|------------------|---|-----------------------------|-----------------------------|
|                  | Single exposure                         | Repeated exposure           |                             |
| 2-butoxyethanol  | Category 1, 3                           | Category 2                  | Classification not possible |
| copper compounds | Category 3                              | Category 1                  | Classification not possible |
| titanium dioxide | Classification not possible             | Classification not possible | Classification not possible |
| —                | —                                       | —                           | —                           |
| —                | —                                       | —                           | —                           |

\* Hazards information is peculiar to the chemicals. It doesn't change according to the content.

## 12. Ecological information

| Chemical name    | Hazardous to aquatic environment |                             |                             |
|------------------|----------------------------------|-----------------------------|-----------------------------|
|                  | Acute                            | Chronic                     | Ozone layer                 |
| 2-butoxyethanol  | Not classified                   | Not classified              | Classification not possible |
| copper compounds | Classification not possible      | Category 4                  | Classification not possible |
| titanium dioxide | Not classified                   | Classification not possible | Classification not possible |
| —                | —                                | —                           | —                           |
| —                | —                                | —                           | —                           |

\* Hazards information is peculiar to the chemicals. It doesn't change according to the content.

- \* Residual property/resolvability                      There are not data as a mixture.
- \* Creature accumulation characteristics              There are not data as a mixture.
- \* Movement degree in the soil                            There are not data as a mixture.

## 13. Disposal consideration

- \* Requests disposal to the agency who has solid-waste-treatment license.
- \* When disposing container, dispose after removing a content fully.
- \* Dispose of contents/container in accordance with local/regional/national regulation.

## 14. Transport information

( National regulation )

- \* There is not special regulation.

( International regulation )

- \* UN number    Not
- \* UN classification    It doesn't correspond to the danger according to the UN recommendation.

( Special precautions )

- \* In case of transportation, carry "transportation notice" or "Yellow Card".
- \* Confirm container tightly closed and no leaking before transportation.
- \* In case of transportation, fix a container tightly and use buffering one as occasion demands.

## 15. Regulatory information

- \* Industrial Safety and Health Law
  - Dangerous goods    Not applicable
  - Ordinance on the Prevention of Organic Solvent Poisoning              Not applicable
  - Ordinance on Prevention of Lead Poisoning                              Not applicable
  - Ordinance on Prevention of Hazards due to Specified Chemical Substances              Not applicable
- \* Pollutant Release and Transfer Register Law                              Not listed
- \* Poisonous and Deleterious Substances Control Law                      Not applicable
- \* Fire Defense Law    Not applicable
- \* Ship Safety Law    Not applicable
- \* Offensive Odor Control Low    Not listed

## 16. Other information

( Main reference )

- \* National Institute of Technology and Evaluation    Opend data
- \* Japan Paint Manufacturers Association
  - Raw material data base
  - The guide book for the creating SDS and label [ mixture ( paint ) ] Second edition
  - Model MSDS and label samples [ mixture ( paint ) ]
- \* Japan Industrial Safety and Health Association
  - The OJT text for the MSDS of mixture ( chemicals ) by GHS compatible
  - \* "YOZAI Pocket Book"    \* "KIKEN BOSAI KYUKYU BINRAN"
  - \* International Chemical Safety Cards ( ICSC )                      \* SDS of raw materials

( Notice )

- \* This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only.
- \* It should not therefore be construed as guaranteeing any specific property of the product.
- \* In case of use, set a safe conditions for handling.
- \* All chemicals have possibility of unknown hazards, so it needs a due attention for handling.
- \* Applicable scope of this document is only in Japan.