

## SAFETY DATA SHEET

Issued Date 2009/10/22  
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## 1. Identification

|                     |  |
|---------------------|--|
| * Product name      | Filler Powder Red  |
| * Reference number  | 25802  |
| * 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      | Filler Powder  |
| * 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  | Classification not possible |             |
| Acute toxicity Gasas   | Not applicable              |             |
| Acute toxicity Vapours                                       | Classification not possible |             |
| Acute toxicity Mists   | Not classified              |             |
| Skin corrosion/irritation                                    | Not classified              |             |
| Serious eye damage/eye irritation                            | Not classified              |             |
| Respiratory sensitization                                    | Classification not possible |             |
| Skin sensitization   | Classification not possible |             |
| Germ cell mutagenicity                                       | Not classified              |             |
| Carcinogenicity  | Not classified              |             |
| Reproductive toxicity  | Classification not possible |             |
| Specific target organ systemic toxicity<br>Single exposure   | Not classified              |             |
| Specific target organ systemic toxicity<br>Repeated exposure | Classification not possible |             |
| Aspiration hazard  | Not classified              |             |
| Hazardous to aquatic environment<br>Acute                    | Classification not possible |             |
| Hazardous to aquatic environment<br>Chronic                  | Classification not possible |             |
| 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 ]

[ Precautionary statement ]

( Prevention )

- \* Obtain and understand special instructions before use.
- \* Keep away from ignition sources such as heat/sparks/open flame. – No smoking.
- \* Store container tightly and avoid release to the environment.
- \* Prevent the electro static discharge. Ground a container/carrier receptacle and so on.
- \* Use the tools that sparks don't come out.
- \* Avoid breathing powder dust.
- \* 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 inhaled: Remove to fresh air and keep at rest in a position comfortable for breathing.  
Seek medical advice/attention if you feel unwell.
- \* 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.

( Strage )

- \* Store container tightly closed in the place which well-ventilated, cool and child doesn't reach.

( Disposal )

- \* Don't dispose contents to the river and the sewage. Dispose after using them up.
- \* Dispose container in accordance with local/regional/national regulation. Don't use another purpose.

## 3. Composition/information on ingredients

Property                      Mixture  
Product kind                  Filler Powder

| Chemical name            | Weight (%) | CAS No.   | Chemical structure             | Notice duty |
|--------------------------|------------|-----------|--------------------------------|-------------|
| iron oxide               | 5~10       | —         | —                              | ○           |
| aluminium oxide          | 10~20      | 1344-28-1 | Al <sub>2</sub> O <sub>3</sub> | ○           |
| silica, amorphous, fused | 60~70      | —         | SiO <sub>2</sub>               | —           |
| —                        | —          | —         | —                              | —           |
| —                        | —          | —         | —                              | —           |

## 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 )

- \* Do the artificial respiration in case of breathing's being irregular or stopping.
- \* The vomit doesn't make swallow.
- \* 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 product is not inflammable material, but mixture has prospects of that.

( 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 )

- \* Lead personnel to the windward from outflow areas.
- \* Avoid the inhalation of vapour. Avoid the contact to the skin and eyes. Promote ventilation.
- \* 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 )

- \* Remove ignition sources. Prohibit smoking and fire. Use the tools which don't spark.
- \* 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.
- \* When in working, wear antistatic work clothing, shoes.
- \* Remove ignition sources, prohibit smoking and fire, Use tools which don't spark.
- \* Ground equipments ( transport, dip, stirring liquid ) and use explosion-proof type electric equipments.
- \* After handling, wash hands with soap water. It should wash work clothing separately.

( Handling: Notice )

- \* Ground equipments and use explosion-proof type electric equipments.
- \* 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 ( TLV )          | PRTR |
|--------------------------|--------------------------------|-----------------------|------------------------|------|
| iron oxide               | —                              | —                     | 5mg/m <sup>3</sup> ·Fe | —    |
| aluminium oxide          | —                              | —                     | 1mg/m <sup>3</sup> ·Al | —    |
| silica, amorphous, fused | —                              | —                     | —                      | —    |
| —                        | —                              | —                     | —                      | —    |
| —                        | —                              | —                     | —                      | —    |

[Equipment measure]

- \* Set up sealed systems or local ventilation systems.
- \* Set up safe shower, bathroom and face washing near the work area, and display the position.
- \* Show the signs such like "INFRAMABLES" or "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: Powder )

|                     |                              |                                      |                |                                  |         |
|---------------------|------------------------------|--------------------------------------|----------------|----------------------------------|---------|
| Colour              | Indicate in the product name | Density                              | No data        | Flash point                      | Not     |
| Odour               | Odorless                     | PH                                   | Not correspond | Ignition point                   | —       |
| Boiling point Lower | No data                      | Solubility                           | No data        | Flammability or explosive limits |         |
| Boiling point Upper | No data                      | Partiton coefficient n-octanol/water |                | Lower                            | No data |
| Vapour pressure     | No data                      |                                      | No data        | Upper                            | No data |

## 10. Stability and reactivity

( Chemical stability )

- \* The product seems to be stable.
- \* No other reactions were informed.

( Conditions to avoid )

- \* Degradation product which has dangerous/hazardous property.

## 11. Toxicological information

| Chemical name            | Acute toxicity              |                             |                |                             |
|--------------------------|-----------------------------|-----------------------------|----------------|-----------------------------|
|                          | Oral                        | Dermal                      | Gasas          | Vapours                     |
| iron oxide               | Classification not possible | Classification not possible | Not applicable | Classification not possible |
| aluminium oxide          | Not classified              | Classification not possible | Not applicable | Classification not possible |
| silica, amorphous, fused | Classification not possible | Classification not possible | Not applicable | Classification not possible |
| —                        | —                           | —                           | —              | —                           |
| —                        | —                           | —                           | —              | —                           |

| Chemical name            | Acute toxicity              | Skin corrosion/<br>irritation | Serious eye damage/<br>eye irritation | Respiratory<br>sensitization |
|--------------------------|-----------------------------|-------------------------------|---------------------------------------|------------------------------|
|                          | Mists                       |                               |                                       |                              |
| iron oxide               | Not classified              | Not classified                | Not classified                        | Classification not possible  |
| aluminium oxide          | Classification not possible | Classification not possible   | Classification not possible           | Classification not possible  |
| silica, amorphous, fused | Classification not possible | Classification not possible   | Classification not possible           | Classification not possible  |
| —                        | —                           | —                             | —                                     | —                            |
| —                        | —                           | —                             | —                                     | —                            |

| Chemical name            | Skin sensitization          | Germ cell<br>mutagenicity   | Carcinogenicity             | Reproductive<br>toxicity    |
|--------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
|                          |                             |                             |                             |                             |
| aluminium oxide          | Classification not possible | Classification not possible | Not classified              | Classification not possible |
| silica, amorphous, fused | Classification not possible | Classification not possible | Classification not possible | Classification not possible |
| —                        | —                           | —                           | —                           | —                           |
| —                        | —                           | —                           | —                           | —                           |

| Chemical name            | Specific target organ systemic toxicity |                             | Aspiration hazard           |
|--------------------------|---|-----------------------------|-----------------------------|
|                          | Single exposure                         | Repeated exposure           |                             |
| iron oxide               | Classification not possible             | Classification not possible | Classification not possible |
| aluminium oxide          | Category 3                              | Classification not possible | Classification not possible |
| silica, amorphous, fused | 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                 |
| iron oxide               | Classification not possible      | Classification not possible | Classification not possible |
| aluminium oxide          | Classification not possible      | Classification not possible | Classification not possible |
| silica, amorphous, fused | Classification not possible      | 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        |
| Pneumoconiosis prevention rule  |                       | Applicable (Al oxide) |
| * 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 Law  | Not listed            |                       |
| * Pneumoconiosis Law  | Applicable (Al oxide) |                       |

## 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.