

SAFETY DATA SHEET

Effective Date 2014/11/4

1. Identification

| | |
|---------------------|--|
| * Product name | Oil Stain Mahogany |
| * Reference number | 21306 |
| * 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 | Pigment type coloring agent |
| * Principal use | Wood paint |

2. Hazards identification

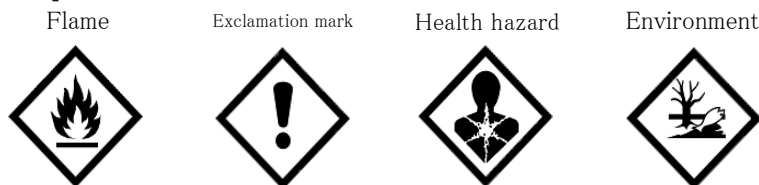
[Classification]

| Hazards | Category Hazard statement | Signal word |
|--|---|-------------|
| Flammable liquids | Category 3 flammable liquid and vapour. | Warning |
| 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 | Category 2 Causes skin irritation. | Warning |
| Serious eye damage/eye irritation | Category 2 Causes serious eye irritation. | Warning |
| Respiratory sensitization | Not classified | |
| Skin sensitization | Not classified | |
| Germ cell mutagenicity | Not classified | |
| Carcinogenicity | Not classified | |
| Reproductive toxicity | Category 1 May damage fertility or the unborn child. | Danger |
| Specific target organ systemic toxicity Single exposure | Category 3 May cause respiratory irritation ;or May cause drowsiness and dizziness. | Warning |
| Specific target organ systemic toxicity Repeated exposure | Category 2 May causes damage to organs state all organs affected, if known through prolonged or repeated exposure. | Warning |
| Aspiration hazard | Not classified | |
| Hazardous to aquatic environment Acute | Category 1 Very toxic to aquatic life. | Warning |
| Hazardous to aquatic environment Chronic | Category 1 Very toxic to aquatic life with long lasting effects. | Warning |
| Hazardous to the ozone layer | Not classified | |

* 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 vapours/mist/spray.
- * 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.

(Storage)

- * 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 | Pigment type coloring agent |

| Chemical name | Weight (%) | CAS No. | Chemical structure | Notice duty |
|---------------------------------|------------|-----------|--------------------|-------------|
| 2-propanol | 0~1 | 67-63-0 | C3H7OH | ○ |
| carbon black | 0~1 | 1333-86-4 | C | ○ |
| xylene | 0.77 | 1330-20-7 | C8H10 | ○ |
| mesitylene | 1.7 | 108-67-8 | C9H12 | ○ |
| propyleneglycol monomethylether | 10~20 | 107-98-2 | C14H10O2 | ○ |
| mineral spirit | 60~70 | 8052-41-3 | — | ○ |
| — | — | — | — | — |
| — | — | — | — | — |
| — | — | — | — | — |
| — | — | — | — | — |

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)

- * Liquid and vapour are extremely flammable.
If they expose to heat, flame and an oxidizer, there is danger of intense fire.
- * When heated, there is a fear of intense burst of container by expansion or resolution.
- * 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)

- * 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 incombustible 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.
- * 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)

- * Follow the Fire Defense Law and so on because of flammable liquid.
- * 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-propanol | 200ppm | 400ppm | 200ppm | — |
| carbon black | — | 1mg/m ³ | 3mg/m ³ | — |
| xylene | 50ppm | 50ppm | 100ppm | Class 1-80 |
| mesitylene | — | 25ppm | 25ppm | Class 1-297 |
| propyleneglycol monomethylether | — | — | 100ppm | — |
| mineral spirit | — | — | 100ppm | — |
| — | — | — | — | — |
| — | — | — | — | — |
| — | — | — | — | — |
| — | — | — | — | — |

[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".
- * When handling flammable liquid, there needs explosion-proof type ventilation equipments/systems.

(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 | 0.83 | Flash point | 35 °C |
| Odour | Solvent odour | PH | Not correspond | Ignition point | 210 °C |
| Boiling point Lower | 120 °C | Solbility | Not sol. In water | Flammability or explosive limits | |
| Boiling point Upper | 210 °C | Partiton coefficient n-octanol/water | | Lower | 1 % |
| Vapour pressure | 1000 Pa (ref.) | | No data | Upper | 12 % |

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-propanol | Not classified | Not classified | Not applicable | Not classified |
| carbon black | Not classified | Classification not possible | Not applicable | Classification not possible |
| xylene | Not classified | Classification not possible | Not applicable | Not classified |
| mesitylene | Classification not possible | Classification not possible | Not applicable | Classification not possible |
| propyleneglycol monomethylether | Not classified | Not classified | Not applicable | Not classified |
| mineral spirit | Not classified | Classification not possible | Not applicable | Classification not possible |
| — | — | — | — | — |
| — | — | — | — | — |
| — | — | — | — | — |
| — | — | — | — | — |

| Chemical name | Acute toxicity | | Skin corrosion/ irritation | Serious eye damage/ | Respiratory sensitization |
|---------------------------------|-----------------------------|--|-------------------------------|------------------------|------------------------------|
| | Mists | | | | |
| 2-propanol | Classification not possible | | Not classified | Category 2A-2B | Classification not possible |
| carbon black | Classification not possible | | Not classified | Not classified | Classification not possible |
| xylene | Classification not possible | | Category 2 | Category 2A | Classification not possible |
| mesitylene | Not classified | | Category 2 | Category 2B | Classification not possible |
| propyleneglycol monomethylether | Classification not possible | | Not classified | Category 2B | Classification not possible |
| mineral spirit | Classification not possible | | Category 2 | Not classified | Classification not possible |
| — | — | | — | — | — |
| — | — | | — | — | — |
| — | — | | — | — | — |
| — | — | | — | — | — |

| Chemical name | Skin sensitization | Germ cell mutagenicity | Carcinogenicity | Reproductive toxicity |
|---------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| 2-propanol | Classification not possible | Not classified | Not classified | Category 2 |
| carbon black | Classification not possible | Classification not possible | Category 2 | Classification not possible |
| xylene | Classification not possible | Not classified | Not classified | Category 1B |
| mesitylene | Classification not possible | Not classified | Classification not possible | Classification not possible |
| propyleneglycol monomethylether | Classification not possible | Not classified | Not classified | Not classified |
| mineral spirit | Not classified | Not classified | Classification not possible | Not classified |
| — | — | — | — | — |
| — | — | — | — | — |
| — | — | — | — | — |
| — | — | — | — | — |

| Chemical name | Specific target organ systemic toxicity | | Aspiration hazard |
|---------------------------------|---|-----------------------------|-----------------------------|
| | Single exposure | Repeated exposure | |
| 2-propanol | Category 1, 3 | Category 2 | Category 2 |
| carbon black | Classification not possible | Category 1 | Classification not possible |
| xylene | Category 1, 3 | Category 1 | Category 2 |
| mesitylene | Category 3 | Classification not possible | Category 1 |
| propyleneglycol monomethylether | Category 3 | Not classified | Classification not possible |
| mineral spirit | Category 3 | Category 2 | Category 1 |
| — | — | — | — |
| — | — | — | — |
| — | — | — | — |
| — | — | — | — |

* 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 |
| 2-propanol | Not classified | Not classified |
| carbon black | Not classified | Classification not possible |
| xylene | Category 2 | Category 2 |
| mesitylene | Category 2 | Category 2 |
| propyleneglycol monomethylether | Not classified | Not classified |
| mineral spirit | Category 1 | Category 1 |
| — | — | — |
| — | — | — |
| — | — | — |
| — | — | — |

* 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)

- * UN number 1263
- * Guideline number 128
- * Land transportation Follow the transporting way to be specified in the Industrial Safety and Health Law. Fire Defense Law and so on.
- * Air transportation Follow the transporting way to be specified in the Aviation Law.
- * Marine transportation Follow the transporting way to be specified in the Ship Safety Law.
- * Fire Defense Law Annex class 4-2 Danger class III

(International regulation)

- * UN number 1263
- * UN proper shipping name PAINT
- * UN classification Class 3 Flammable liquid

(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 Flammable liquid
 - Ordinance on the Prevention of Organic Solvent Poisoning Class-3
 - 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 Listed
- * Poisonous and Deleterious Substances Control Law Not applicable
- * Fire Defense Law Annex class 4-2
- * Ship Safety Law Flammable liquid
- * Offensive Odor Control Law Listed

16. Other information

(Main reference)

- * National Institute of Tecnology 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.