SAFETY DATA SHEET

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1. Identification

＊ Product name **Water-Based Urushi Type Stain Flat Clear**

＊ Reference number 27611
＊ Company Washin Paint Co.,Ltd.
＊ Company address 2100-18 Kamiyoshiba Satte-shi Saitama-ken 340-0121 Japan
＊ Section concerned Production engineering department
＊ Person in change Takeyuki Kawashima
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＊ Product kind Urethane resin 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	Category 2	Warning
	Causes skin irritation.	
Serious eye damage/eye irritation	Category 2	Warning
	Causes serious eye irritation.	
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 Single exposure	Category 2	Warning
	May causes damage to organs or state all organs affected if known.	
Specific target organ systemic toxicity Repeated exposure	Not classified	
Aspiration hazard	Not classified	
Hazardous to aquatic environment Acute	Not classified	
Hazardous to aquatic environment Chronic	Not classified	
Hazardous to the ozone layer	Classification not possible	

＊ If the signal word "Danger" applies, the signal word "Worning" should not appear.
＊ For the details with "Specific target organ systemic toxicity", refer to "11.Toxicological information".

[Symbol]

Exclamation mark Health hazard

[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.
* Paint adhered cloth, paint sluge and sprayed dust have the fear of the spontaneous combustion, so be flooded them until it disposes or burns them up every time at work.

(Response)

* In case of fire, use carbon dioxide/powder/foams for extinction.
* If in eyes: Rince 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 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.

3. Composition/information on ingradients

Property Mixture

Product kind Urethane resin paint

Chemical name	Weight (%)	CAS No.	Chemical structure	Notice duty
manganese compounds	0.36	—	—	○
dipropyleneglycol monomethyl ether	1～5	34590-94-8	C7H16O3	○
triethylamine	1	121-44-8	C6H15N	○
silica, amourphous, fused	1～5	—	SiO2	—
—	—	—	—	—

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 equipmemt 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 emargency prosedures)

* 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 regurations concerned.

7. Handling and storage

(Handring: Technical measure)

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

(Handring: 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	Tthreshold limit value	ACGIH (TLV)	PRTR
manganese compounds	0.2mg/m3・Mn	0.2mg/m3・Mn	—	Class 1-412
dipropyleneglycol monomethyl ether	—	—	100ppm	—
triethylamine	—	—	1ppm	Class 1-277
silica, amourphous, fused	—	—	—	—
—	—	—	—	—

〔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	Milky	Density	1.07 g/mL(25℃)	Flash point	Not
Odour	Slight resin odour	PH	7 – 9	Ignition point	No data
Boiling point	100 ℃ (ref.)	Solbility	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.
* Paint adhered cloth, paint sluge and sprayed dust have the fear of spontaneous combustion when it oxidize.

(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
manganese compounds	Not classified	Classification not possible	Not applicable	Classification not possible
dipropyleneglycol monomethyl ether	Not classified	Not classified	Not applicable	Classification not possible
triethylamine	Category 4	Category 3	Not applicable	Category 4
silica, amourphous, fused	Classification not possible	Classification not possible	Not applicable	Classification not possible
—	–	–	–	–

Chemical name	Acute toxicity	Skin corrosion/ irritation	Serious eye damage/ eye irritation	Respiratory sensitization
	Mists			
manganese compounds	Classification not possible	Classification not possible	Classification not possible	Classification not possible
dipropyleneglycol monomethyl ether	Classification not possible	Not classified	Category 2B	Classification not possible
triethylamine	Classification not possible	Category 1	Category 1	Classification not possible
silica, amourphous, fused	Classification not possible	Classification not possible	Classification not possible	Classification not possible
—	–	–	–	–

Chemical name	Skin sensitization	Germ cell mutagenicity	Carcinogenicity	Reproductive toxicity
manganese compounds	Classification not possible	Classification not possible	Classification not possible	Classification not possible
dipropyleneglycol monomethyl ether	Not classified	Classification not possible	Classification not possible	Classification not possible
triethylamine	Not classified	Classification not possible	Classification not possible	Classification not possible
silica, amourphous, 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	
manganese compounds	Classification not possible	Classification not possible	Classification not possible
dipropyleneglycol monomethyl ether	Category 3	Not classified	Classification not possible
triethylamine	Category 1, 3	Category 2	Classification not possible
silica, amourphous, 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
manganese compounds	Classification not possible	Classification not possible	Classification not possible
dipropyleneglycol monomethyl ether	Not classified	Not classified	Classification not possible
triethylamine	Category 2	Category 3	Classification not possible
silica, amourphous, 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

＊ Pollutant Release and Transfer Register Law 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 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.