SAFETY DATA SHEET

Date Prepared: 2017/06/14

1. Product and Supplier Identification

Product Name: VATON WOOD PRO each color

Manufacturer: Otani Paint MFG CO., LTD.

3-1-18 Higashinakamoto, Higashinari-ku, Osaka, Japan

Phone No.: +81-6-6976-0251

Emergency Phone No.: +81-6-6976-0251

Fax No.: +81-6-6971-4901

Person in Charge: H. Tanaka

2. Hazards Identification

Signal Word: Danger

Items	Classification	Signal word	Hazard Communication
Flammable liquids	Category3	Warning	Flammable liquid and vapour
Acute toxicity / Oral	Category4	Warning	Harmful if swallowed
Acute toxicity / Dermal	Category4	Warning	Harmful in contact with skin
Acute toxicity / Vapours	Category4	Warning	Harmful if inhaled
Skin corrosion / irritation	Category2	Danger	Causes skin irritation
Serious eye damage / eye irritation	Category2B	Warning	Causes eye irritation
Aspiration toxicity	Category1	Danger	May be fatal if swallowed and enters airways

Classification and Hazard Communication:

GHS Label Elements:

3. Composition/Information on Ingredients

Composition	CAS No.	Wt %
yellow iron oxide	51274-00-1	refer to the following table
brown iron oxide	1309-37-1	
titanium oxide	13463-67-7	
carbon black	1333-86-4	
copper compound	7440-50-8	
organic pigment (yellow)	–	
organic pigment (Red)	–	
cobalt compound	7440-48-4	0.4
amorphous silica	60676-86-0	0.1-5
synthetic paraffinic hydrocarbon	–	40-80
nonane	111-84-2	0.1-1
resin	–	20-30
additive agent	–	0.1-5

※List of contents

	yellow iron oxide	brown iron oxide	titanium oxide	carbon black	copper compound	organic pigment (yellow)	organic pigment (Red)
#901 Clear M	—	—	—	—	—	—	—
#903 Iron Red M	—	10-20	—	—	—	—	—
#905 Ocher M	10-20	—	—	—	—	—	—
#907 Black M	—	—	—	1-10	—	—	—
#909 Shine Yellow M	—	—	—	—	—	1-10	—
#911 Shine Red M	—	—	—	—	—	—	1-10
#913 Blue M	—	—	—	—	1-10	—	—
#915 White M	—	—	20-30	—	—	—	—
#917 Pine M	—	—	1-10	< 0.1	—	1-10	0.1-1
#919 Light Oak M	—	—	—	0.1-1	—	1-10	0.1-1
#921 Red Oak M	—	—	—	0.1-1	—	1-10	1-10
#923 Walnut M	—	—	—	1-10	—	0.1-1	1-10
#925 Ivory M	—	—	20-30	—	—	<0.1	—
#927 Gray M	—	—	20-30	0.1-1	—	0.1-1	—

4. First-Aid Measures

First Aid for Eyes:

Gently rinse the affected eyes with clean water for at least 15 minutes.

Remove contact lenses if worn.

Hold the eyelids open and pour water slowly over the eyeballs.

Consult a doctor immediately.

First Aid for Skin:

Remove the sticking materials quickly with clothes.

Wash the affected area with plenty of running water using a mild soap or skin shampoo. Don't use solvents and thinner.

Arrange medical treatment by a doctor on injured skin and painful parts.

First Aid for Inhalation:

Remove to fresh air immediately, and keep warm and quiet. If breathing irregularly, or not breathing, give artificial respiration. Prevent from swallowing the vomiting. Consult a doctor immediately.

First Aid for Ingestion:

If swallow in the wrong, keep quiet and consult a doctor immediately.

Prevent to swallow the vomiting.

5. Fire-Fighting Measures

Extinguishing Media: CO2, foam, powder, dry sand.

Fire Fighting Instructions:

Use proper protective equipments including heat-resistant clothes, etc.

Remove inflammable materials near fire immediately.

Use the specific extinguishing media.

Don't use water.

6. Accidental Release Measures

Personal Protection:

Use proper protection (gloves, masks, aprons, goggles, etc.)

It stretches a rope around the spill area, and Keep unnecessary personnel away.

Promptly remove ignitable, hot, or flammable items.

Prepare proper fire extinguishers for accidental ignition.

Environmental Precautions:

Prevent from entering rivers and sewers.

Methods and materials for containment and clean up

Collect and seal in properly labeled containers for disposal.

Dispose of waste according to governmental regulations.

Use plastic or other equipment to prevent sparks during recovery operation

With small Spills, soak up spill with sand or non-combustible absorbent material.

With large Spills, if necessary, contain spill by diking.

7. Handling and Storage

Precautions for safe handling

Handle in well-ventilated area.

Keep container tightly closed in every use.

Do not use fire, spark and high temperature nearby.

Ground equipment against electrostatics and use explosion-proof electric equipment.

Use spark-proof tools.

Keep waste cloths, paints or spray dusts in water until disposal.

Use local exhaust system and proper protection if working in closed area.

Storage

Protect from direct sunlight.

Store in cool, dry place in tightly closed containers.

Keep ignition sources away.

8. Exposure Controls/Personal Protection

Exposure limit values

Composition	Exposure limit value	ACGIH(TLV)
yellow iron oxide		
brown iron oxide		5 mg/m^3
titanium oxide		10 mg/m^3
carbon black		3.5 mg/m^3
cobalt compound		
amorphous silica		
copper compound		1ppm
nonane	200ppm	
synthetic paraffinic hydrocarbon		

Engineering controls

Use explosion-proof equipment.

Use exhaust system to prevent vapor retention.

Ground liquid handling equipment of transporting, scooping, agitating etc

Keep heat or fire sources from handling area.

If working indoors, use automatic coating machine or other proper equipment to protect workers from direct exposure or use local exhaust system to protect workers from exposure.

Personal protection

Respiratory protection: Wear masks for organic gases.

Wear ventilation masks when working in closed area.

Hand protection: Wear gloves that resist organic solvents and chemicals.

Eye protection: Wear chemical goggles or face shield.

Skin protection: To prevent any contact, wear impervious clothing such as gloves, apron, boots, or whole body suits made from chloroprene, as appropriate.

9. Physical and Chemical Properties

Physical State: liquid

Boiling point: 166 °C

Specific Gravity: 0.95-1.15

Vapor Pressure: －

Flash Point: 49 °C

Lower Explosive Limit (%): 0.6

Upper Explosive Limit (%): 6.2

Ignition point: 200 °C

10. Stability and Reactivity

Stability: Stable under normal condition.

Materials to avoid: Oxidizing agents, strongly acidic or basic materials.

Hazardous decomposition products: Carbon monoxide, carbon dioxide.

Hazardous polymerization: Will not occur.

11. Toxicological Information

Eye Irritation: Causes serious eye irritation

Skin Irritation: Causes mild skin irritation

Respiratory Irritation: Toxic if inhaled mists or vapors

12. Ecological Information

Ecotoxicity

Not known

Persistence and degradability

Not known

Bioaccumulative potential

Not known

13. Disposal Considerations

Description of waste residues and information on their safe handling and methods of disposal.

The contents/ container must be disposed in conformity with the related laws & rules.

Make contact with approved firm for industrial disposition.

The water used to wash container or mechanical equipment has not to be disposed into sewer or earth directly.

The additional disposition caused by washing or burning has to be disposed by relative laws or consign to approved firm.

14. Transport Information

Any transportation practice must be in compliance with local, state or federal laws and regulations. (contact local or state transportation agency for specific rules.)

UN Number: 1263

Class: 3 Flammable liquids.

Packing group: Ⅲ

15. Regulatory Information

1, Labor regulation

2, Dangerous and hazardous chemicals warning label regulations

3, Traffic and transportation regulations

16. Other Information

This information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. It are advised to make their own tests to determinate the safety and suitability of each such product or combination for their own purposes.