

01754-1006

SAFETY DATA SHEET

Issuing Date	6/1/2015	Revision Date	6/1/2018	Revision Number	
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1. IDENTIFICATION

Product Identifier	
Product Name	WC211, WC215, WC216-xx, WC221
Other means of identification	
Synonyms	NONE
Recommended use of the chemical and restrictions on use	
Recommended use	Artistic Medium
Uses advised against	
Details of the supplier of the safety data sheet	
Supplier Name	Yasutomo
Supplier Address	3740 Skypark Dr Torrance CA 90505
Supplier Phone Number	310-791-1995
Supplier Email	csr@yasutomo.com
Emergency telephone number	911

2. HAZARDS IDENTIFICATION**Classification**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acacia	9000~01~05
Calcium Carbonate	471-34-1
Kaolin	1332-58-7
Glycerin	56-81-5
2-Naphthalenecarboxamide, 3-hydroxy-4-((2-methoxy-5-nitrophenyl)azo)-N-(3-nitrophenyl)-	6471-49-4
Pigment Yellow 42	51274-00-1
Pigment Orange 16	6505-28-8
Pigment Green 7	1328-53-6
Pigment Blue 15:3	147-14-8
Titanium Oxide	13463-67-7
Pigment Blue 29	57455-37-5
Barium Sulfate	7727-43-7
Iron Oxide	1309-37-1
Calcium Oxide	1305-78-8
Pigment Black 9	8021-99-6
Copper	7440-50-8
Zinc	7440-66-6
Mica	12001-26-2

GHS Label elements, including precautionary statements**Emergency Overview****Signal word** Warning**Hazard Statements**

If medical advice is needed, have product container or label at hand

Keep out of reach of children
Read label before use

Appearance	Physical State	Odor
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Precautionary Statements - Prevention

Precautionary Statements - Response

Eyes

Skin

Ingestion

Precautionary Statements - Storage

Precautionary Statements - Disposal

Hazard not otherwise classified (HNOC)

Combustible Dust

Unknown Toxicity

Other information

Interactions with Other Chemicals

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%	Trad
Maltose Powder	6363-53-7	20-25%	
Arabic Gum	9000~01~05	15-20%	
Calcium Carbonate	471-34-1	10-15%	
Kaolin	1332-58-7	1-5%	
Water	7732-18-5	5-10%	
Glycerine	56-81-5	1-5%	
2-Naphthalenecarboxamide, 3-hydroxy-4-((2-methoxy-5-nitrophenyl)azo)-N-(3-nitrophenyl)-	6471-49-4	5-35%	
Pigment Yellow 42	51274-00-1	5-35%	
Pigment Yellow 3	6486-23-3	5-35%	
Pigment Orange 16	6505-28-8	5-35%	
Pigment Red 48:3	15782/05/5	5-35%	
Pigment Green 7	1328-53-6	5-35%	
Pigment Blue 15:3	147-14-8	5-35%	
Pigment White 6	13463-67-7	5-35%	
Pigment Blue 29	57455-37-5	5-35%	
Pigment White 21	7727-43-7	5-35%	
Pigment Brown 7	1309-37-1	5-35%	
Calcium Oxide	1305-78-8	5-35%	
Pigment Black 1	13007-86-8	5-35%	
Pigment Black 9	8021-99-6	5-35%	

Copper	7440-50-8	5-35%	
Zinc	7440-66-6	5-35%	
Mica	12001-26-2	5-35%	

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

General Advice

Eye Contact Protect unexposed eye. Flush exposed eye gently using water for 15-20 minutes. Remove contact lens if possible. Seek medical attention if irritation persists.

Skin Contact Wash hands and exposed skin with soap and plenty of water. Seek medical attention if irritation persists.

Inhalation Move exposed to fresh air. Give artificial respiration if necessary. Seek medical assistance if cough or other symptoms appear.

Ingestion Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention if irritation, discomfort, or vomiting persists.

Self-protection of the first aider

Most important symptoms and effects, both acute and delayed

Most important symptoms and effects Irritation. Shortness of breath. Headache. Nausea. Dizziness.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use water, dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam.

Unsuitable extinguishing media

Specific Hazards Arising from the Chemical

Thermal decomposition can lead to release of irritating gases and vapors. Dust can form an explosive mixture in air.

Uniform Fire Code

Hazardous Combustion Products

Explosion Data

Sensitivity to Mechanical Impact

Sensitivity to Static Discharge

Protective equipment and precautions for firefighters

Wear protective eyewear, gloves, and clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation. Ensure that air-handling systems are operational.

Other information

Environmental Precautions

Environmental Precautions Prevent from reaching drains, sewer, or waterway.

Methods and material for containment and cleaning up

Methods for Containment Always obey local regulations. Containerize for disposal.

Methods for cleaning up Sweep up or vacuum up spillage

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Avoid contact with skin, eyes, and clothing. Follow good hygiene procedures when handling

chemical materials. Follow proper disposal methods. Do not eat, drink, smoke, or use personal products when handling substances. Avoid dust formation. May form combustible (explosive) dust-air mixtures (during processing).

Conditions for safe storage, including any incompatibilities

Storage Store in a cool location. Protect from freezing and physical damage. Keep container tightly sealed.

Incompatible products

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIO:
Calcium Carbonate 471-34-1	10 mg/m3 (Inhalable particles)	15mg/m3 (Total Dust)	10 mg/ 5mg/
Kaolin 1332-58-7	2 mg/m3 (Inhalable particles)	15mg/m3 (Total) mg/m3 (Resp)	5 10 mg/ 5mg/
Glycerol 56-81-5	10 mg/m3	15mg/m3	
Pigment Yellow 42 51274-00-1	10 mg/m3 (total) 5mg/m3 (resp)	10mg/m3 (Total) mg/m3 (Resp)	5
Phthalocyanine Blue 147-14-8	TWA 1 mg/m3	-	IDLH 1 TWA
Titanium Dioxide 13463-67-7	10 mg/m3 (Inhalable particles)	15mg/m3 (Total Dust)	
Barium Sulfate 7727-43-7	10 mg/m3	15mg/m3	5r
Iron Oxide 1309-37-1	TWA 5 mg/m3	(Vacated) TWA: 10mg /m3 (Vacated) TWA: 5 mg/m3 mg/m3 mg/m3	IDLH: 2 TWA: TWA 10 TWA: 15 TWA 5
Calcium Oxide 1305-78-8	2 mg/m3 (Inhalable particles)	-	
Copper 7440-50-8	0.2 mg/m3 (fume) 1 mg/m3 (dusts and mists)	1 mg/m3 (Total) mg/m3 (Fume)	0.1
Mica 12001-26-2	-	10 mg/m3	

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits Immediately Dangerous to Life or Health

Other Exposure Guidelines

Appropriate engineering controls

Engineering Measures Emergency eye wash fountains and safety showers should be available in the immediate use or handling. Provide exhaust ventilation or other engineering controls to keep the concentrations of vapor and mists below the applicable workplace exposure limits.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses or goggles are appropriate eye protection

Skin and Body Protection Select material impermeable and resistant to the substance.

Respiratory Protection Not required under normal conditions of use.

Hygiene Measures Perform routine housekeeping. Wash hands immediately after handling product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State

Appearance Solid

Color Multiple Colors

Odor None

Odor Threshold

Property

pH

Values

5.0 -7 at 180 g/l at 25 deg. Celsius

Remarks Method

Melting/Freezing point	119 - 121 deg. Celsius
Boiling point / boiling range	ND
Flash Point	ND
Evaporation Rate	ND
Flammability (solid, gas)	ND
Flammability Limit in Air	ND
Upper flammability limit	ND
Lower flammability limit	ND
Vapor pressure	ND
Vapor density	ND
Specific Gravity	ND
Water Solubility	ND
Solubility in other solvents	ND
Partition coefficient:	ND
Autoignition temperature	ND
Decomposition temperature	ND
Kinematic viscosity	ND
Dynamic viscosity	ND
Explosive properties	ND
Oxidizing Properties	ND

Other Information

Softening Point	ND
VOC Content (%)	ND
Particle Size	ND
Particle Size Distribution	ND

10. STABILITY AND REACTIVITY**Reactivity**

Nonreactive under normal conditions.

Chemical Stability

Stable under normal conditions.

Possibility of Hazardous Reactions

None under normal processing. May form combustible dust concentrations in air (during processing).

Hazardous Polymerization**Conditions to avoid**

incompatible materials. Dust generation.

Incompatible materials

Strong oxidizing agents.

Hazardous Decomposition Products

Carbon dioxides.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

- Inhalation**
- Eye Contact**
- Skin Contact**
- Ingestion**

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LD50
Acacia 9001-01-05	>16,000 mg/kg (rat)	-	
Calcium Carbonate 471-34-1	>6450 mg/kg (rat)	-	
Glycerol	>12,600 mg/kg (rat)	Mild skin and eye irritation (rabbit)	570 mg/
2-Naphthalenecarboxamide, 3-hydroxy-4-((2-methoxy-5-nitrophenyl)azo)-N-(3-nitrophenyl)- 6471-49-4	>5000 mg/kg (rat)	-	
Pigment Orange 16 6505-28-8	>2000 mg/kg (rat)	-	
Pigment Green 7 1328-53-6	>3000 mg/kg (rat)	-	
Phthalocyanine Blue 147-14-8	>10000 mg/kg (rat)	-	
Titanium Dioxide 13463-67-7	>10,000 mg/kg (rat)	>10,000 mg/kg (rabbit)	
Pigment Blue 29 57455-37-5	>10,000 mg/kg (rat)	-	
Iron Oxide 1309-37-1	>10,000 mg/kg (rat)	-	
Copper 7440-50-8	>472 mg/kg (rat)	-	
Zinc 7440-66-6	>630 mg/kg (rat)	-	

Information on toxicological effects**Symptoms****Delayed and immediate effects as well as chronic effects from short and long-term exposure****Sensitization**

Will not occur

Mutagenic Effects

Titanium Dioxide: Hamster lungs DNA inhibition, Hamster ovary Sister chromatid exchange

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	ACGIH	IARC	NTP	OSHA
Kaolin 1332-58-7	A4			
13463-67-7		2B		

ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

A3 - Animal Carcinogen

A4 - Not classifiable for human or animal

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Dept of Labor)

X - Present

Reproductive Toxicity**STOT - single exposure**

STOT - repeated exposure**Chronic Toxicity****Target Organ Effects****Aspiration Hazard****Numerical measures of toxicity Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)**12. ECOLOGICAL INFORMATION****Ecotoxicity**

The environmental impact of this product has not been fully investigated

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia N F
Pigment Green 7 1328-53-6	—	48h LC50: > 250 mg/l (Yzias latipes)	—	24h EC50
Phthalocyanine Blue 147-14-8	—	48h LC50: > 100 mg/l (Oryzias latipes)	—	
Titanium Dioxide 13463-67-7	—	96h LC50: > 1000 mg/l (other fish)	—	48h EC50
Pigment Blue 29 57455-37-5	—	96h LC50: > 32000 mg/l (other fish)	—	
Iron Oxide 1309-37-1	—	96h LC0: > 50000 mg/l (Danio rerio)	—	48h EC50
Calcium Oxide 1305-78-8	—	96h LC50: > 1070 mg/l (Cyprinus carpio)	—	
C.I. Pigment Yellow 3 6486-23-3	72h EC50: > 1 mg/l (Desmodesmus subspicatus)	—	—	48h EC50
Zinc 7440-66-6	72h EC50: >.125 mg/l (Pseudokirchneriella subcapita) 96h EC50: >.271 mg/L (Pseudokirchneriella subcapita)	96h LC50: >2.66 mg/L (Pimephales promelas) 96h LC50: >7.8 mg/L (Cyprinus Carpio) 96h LC50: >3.5 mg/L (Lepromis macrochirus) 96h LC50: >.41 mg/L (Oncorhynchus mykiss)	—	48h EC50

Persistence and Degradability**Bioaccumulation**

Chemical Name	Log Pow
Phthalocyanine Blue	6.6

Other adverse effects**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Disposal methods****Contaminated Packaging**

14. TRANSPORT INFORMATION

DOT
TDG
MEX
ICAO
IATA
IMDG/IMO
RID
ADR
AND

15. REGULATORY INFORMATION

International Inventories

TSCA (Zinc)
 DSL (Zinc)

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations,

Chemical Name	CAS No	Weight - %	SARA 313 -
Glycerol	56-81-5	1-5%	Cl
Phthalocyanine Blue	147-14-8	1-5%	
Titanium Dioxide	13463-67-7	1-5%	Acute
Barium Sulfate	7727-43-7	1-5%	Cl
Calcium Oxide	1305-78-8	1-5%	Acute
Copper	7440-50-8	1-5%	Acute, C
Zinc	7440-66-6	1-5%	
Mica	12001-26-2	1-5%	Acute

SARA 311/312 Hazard Categories

- Acute Health Hazard**
- Chronic Health Hazard**
- Fire Hazard**
- Sudden release of pressure hazard**
- Reactive Hazard**

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CI

Chemical Name	CWA -	CWA - Toxic	CWA - Priority Pollutants	CWA - I
Phthalocyanine Blue		X		
Zinc		X	X	

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state pertaining to release of this material.

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Min
Kaolin 1332-58-7		X	X	X	
Phthalocyanine Blue 147-14-8	X		X		
Iron Oxide 1309-37-1	X	X	X	X	
Pigment Black 9 8021-99-6	X		X		
Zinc 7440-66-6	X	X	X	X	

International Regulations

Mexico

National Occupational exposure limits

Component	Carcinogen Status	Exposure Limits

Mexico - Occupational Exposure Limits - Carcinogens

Canada

WHMIS Hazard Class D2A (Kaolin) (Titanium Dioxide) D2B (Calcium Oxide) (Copper)

D2A - Very toxic materials

D2B - Toxic Materials

16. OTHER INFORMATION

NFPA	Health Hazards	Flammability	Instability	Physical and Chemical H
HMIS	Health Hazards	Flammability	Physical Hazard	Personal Pr

Chronic Hazard Star Legend * = Chronic Health Hazard

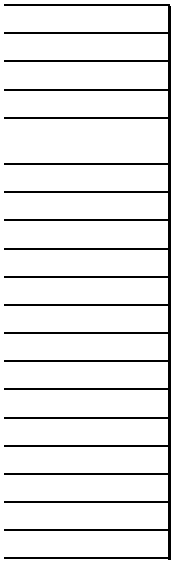
- Prepared By
- Revision Date
- Revision Note
- Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the time of publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transport, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the material designated and may not be valid for such material used in combination with any other materials or in any process specified in the text.

End of Safety Data Sheet

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OSHA



Ammonia (Water Soluble)
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1: >1000 mg/L
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2: >100 mg/L
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3: >100 mg/L
4: >.908 mg/L





a chemical or
Part 372

Threshold
Chronic
1.0
Acute, Chronic
Chronic
Acute, Chronic
Chronic, Fire
1.0
Acute, Chronic

FR 122.21 and

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