

SAFETY DATA SHEET 01761-1012

Issuing Date 6/1/2016 **Revision Date** 6/1/2016 **Revision Number** 1

1. IDENTIFICATION**Product Identifier****Product Name****CP12****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 Inc.

Supplier Address1805 Rollins Road
Burlingame, CA
94010**Supplier Phone Number**

650 737 8888

Supplier Emailyasutomo490@gmail.com**Emergency telephone number**

650 737 8888

2. HAZARDS IDENTIFICATION**Classification**

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

Carcinogenicity

Category 1A

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

Danger

Hazard Statements

May cause cancer

**Appearance**

Multiple Colors

Physical State

Solid

Odor

Cha

Precautionary Statements - Prevention

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Precautionary Statements - Response

None.

Precautionary Statements - Storage

None.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazard not otherwise classified (HNOC)

NA

Unknown Toxicity

NA

Other information

No information available

Interactions with Other Chemicals

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%	Trade Secret
Titanium Dioxide	13463-67-7	1-30%	*
Phthalocyanine green	1328-53-6	1-5%	*
Phthalocyanine blue	147-14-8	1-15%	*
Silicon Dioxide	7631-86-9	1-15%	*
Barium Sulfide	7727-43-7	1-40%	*
Hematite	1317-60-8	30-40%	*
Iron Oxide Red	1309-37-1	1-10%	*

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

4. FIRST AID MEASURES**First aid measures****Eye Contact** Rinse thoroughly with plenty of water. If symptoms persist, call a physician.**Skin Contact** Wash with soap and water.**Inhalation** Remove to fresh air.**Ingestion** Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person.**Most important symptoms and effects, both acute and delayed****Most important symptoms and effects** No information available.**Indication of any immediate medical attention and special treatment needed****Notes to Physician** Treat symptomatically**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical

No information available

Hazardous Combustion Products

Carbon oxides.

Explosion Data**Sensitivity to Mechanical Impact** No.**Sensitivity to Static Discharge** No.**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures****Personal precautions** Avoid breathing dust.**Other information** Refer to protective measures listed in Sections 7 and 8**Environmental Precautions****Environmental Precautions** Refer to protective measures listed in Sections 7 and 8.**Methods and material for containment and cleaning up****Methods for Containment** Prevent further leakage or spillage if safe to do so.**Methods for cleaning up** Pick up and transfer to properly labeled containers, without creating dust. After cleaning, flush away traces with water.**7. HANDLING AND STORAGE****Precautions for safe handling****Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid breathing dust. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.**Conditions for safe storage, including any incompatibilities****Storage** Keep container tightly closed in a dry and well ventilated place.**Incompatible products** None known based on information supplied.**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Titanium Dioxide 13463-67-7	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust	IDLH: 5000 mg/m ³
Iron Oxide Red 1309-37-1	TWA: 5mg/m ³ Cu respirable fraction	PEL: 10 mg/m ³ Fume	TWA: 5 mg/m ³ Cu dust and fume
Silicon Dioxide 7631-86-9	–	TWA: 0.8 mg/m ³	TWA: 6 mg/m ³
Barium Sulfate 7727-43-7	TWA: 10mg/m ³	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction	TWA: 10 mg/m ³ total dust
Hematite 1317-60-8	TWA: 5mg/m ³ Cu respirable fraction	PEL: 10 mg/m ³ Fume	–
Phthalocyanine green 1328-53-6	TWA: 1mg/m ³ Cu dust and mist	–	IDLH: 100mg/m ³ Cu dust and mist TWA 1 mg/m ³ Cu
Phthalocyanine blue 147-14-8	TWA: 1mg/m ³ Cu dust and mist	–	IDLH: 100mg/m ³ Cu dust and mist TWA 1 mg/m ³ Cu

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

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters

Appropriate engineering controls**Engineering Measures**

Ventilation systems

Individual protection measures, such as personal protective equipment**Eye/Face Protection**

No special protective equipment required.

Skin and Body Protection

Wear protective gloves and protective clothing.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. Use appropriate

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid	Odor	Characteristic
Appearance	Multiple Colors	Odor Threshold	No information
Color	No information available		

<u>Property</u>	<u>Values</u>	<u>Remarks Method</u>
pH	No data available	None known
Melting/Freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	No data available	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	No data available	None known
Water Solubility	Soluble in water	None known
Solubility in other solvents	No data available	None known
Partition coefficient:	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No data available	
Oxidizing Properties	No data available	

Other Information

Softening Point	No data available
VOC Content (%)	No data available
Particle Size	No data available
Particle Size Distribution	

10. STABILITY AND REACTIVITY**Reactivity**

No data available

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

Harmful when dust.

Incompatible materials

Strong oxidizing agents.

Hazardous Decomposition Products

Carbon oxides.

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

Product Information

Inhalation	Specific test data for the substance or mixture is not available.
Eye Contact	Specific test data for the substance or mixture is not available.
Skin Contact	Specific test data for the substance or mixture is not available.
Ingestion	Specific test data for the substance or mixture is not available.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Titanium Dioxide 13463-67-7	> 10000 mg/kg (Rat)	–	6.82 mg/l, Rat
Phthalocyanine green 1328-53-6	> 3000 mg/kg (Rat)	–	–
Hematite 1317-60-8	> 10000 mg/kg (Rat)	–	–
Silicon Dioxide 7631-86-9	> 3300 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	–

Information on toxicological effects**Symptoms** No information available.**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Sensitization** No information available.**Mutagenic Effects** No information available.**Carcinogenicity**

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

Chemical Name	ACGIH	IARC	NTP	OSHA
Titanium Dioxide 13463-67-7	–	Group 2B	–	X

ACGIH (American Conference of Governmental Industrial Hygienists)*A2 - Suspected Human Carcinogen**A3 - Animal Carcinogen***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** No information available**STOT - single exposure** No information available**STOT - repeated exposure** No information available**Chronic Toxicity** No information available**Target Organ Effects** No information available**Aspiration Hazard** No information available**Numerical measures of toxicity Product Information**

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

ATEmix (oral)

No information available

ATEmix (inhalation-dust/mist)

No information available

ATEmix (inhalation-vapor)

No information available

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 Magna
Phthalocyanine green 1328-53-6		96h LC50: = 752.4 mg/L (Lepomis macrochirus)	EC50 > 10000 mg/L 30 min	24h EC50: >500 mg/L
Phthalocyanine blue 147-14-8		48h LC50: > 100 mg/L (Oryzias latipes)		
Titanium Dioxide 13463-67-7	72h EC50: = 61 mg/l (Pseudokirchneriella subcapitata)	96h LC50: > 1000 mg/L (Pimephales promelas)		48h EC50: >1000 mg/L

Persistence and Degradability

No information available.

Bioaccumulation

Chemical Name	Log Pow
	6.6

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Disposal methods Dispose of contents/containers in accordance with local regulations.

Contaminated Packaging

Do not reuse empty containers.

California Hazardous Waste Codes

This product contains one or more substances that are listed with the State of California as a hazardous waste

Chemical Name	California Hazardous Waste
Phthalocyanine green 1328-53-6	Toxic
Phthalocyanine blue 147-14-8	Toxic

14. TRANSPORT INFORMATION

DOT	Not Regulated
TDG	Not Regulated
MEX	Not Regulated
ICAO	Not Regulated
IATA	Not Regulated
IMDG/IMO	Not Regulated
RID	Not Regulated
ADR	Not Regulated
AND	Not Regulated

15. REGULATORY INFORMATION**International Inventories**

TSCA	Complies
DSL	All components are listed either on the DSL or NDSL

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 a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight - %	SARA 313 -
Phthalocyanine green	1328-53-6	1-5%	1.0
Phthalocyanine blue	147-14-8	1-15%	1.0
Barium Sulfate	7727-43-7	1-40%	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Phthalocyanine green		X		
Phthalocyanine blue		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 level pertaining to release of this material.

US State Regulations**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Minnesota
Iron Oxide Red 1309-37-1	X	X	X		
Titanium Dioxide 13463-67-7	X	X	X		
Silicon Dioxide 7631-86-9	X	X	X		
Barium Sulfate 7727-43-7	X	X	X		X
Hematite 1317-60-8	X	X	X		X

International Regulations

Mexico

National Occupational exposure limits

Component	Carcinogen Status	Exposure Limits
Titanium Dioxide 13463-67-7 (5-10)		Mexico: TWA = 10 mg/m3 Mexico: STEL = 20 mg/m3

Mexico - Occupational Exposure Limits - Carcinogens

Canada
 WHMIS Hazard Class
 D2A - Very toxic materials



16. OTHER INFORMATION

NFPA	Health Hazards	1	Flammability	0	Instability	0	Physical and Chemical Hazards
HMIS	Health Hazards	1*	Flammability	0	Physical Hazard	0	Personal Protection
							X

Chronic Hazard Star Legend * = Chronic Health Hazard

Disclaimer

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

End of Safety Data Sheet