21159-2010

# SAFETY DATA SHEET

| **Issuing Date** | 6/1/2016 | **Revision Date** | 1/7/2020 | **Revision Number** | 2 |
|---|---|---|---|---|---|

## 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

**Supplier Address** 3740 Skypark Drive,
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)

| | |
|---|---|
| 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** Characteristic

**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 appartus 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/m3 | TWA: 15 mg/m3 total dust (vacated) TWA: 10 mg/m3 total dust | IDLH: 5000 mg/m3 |
| Iron Oxide Red 1309-37-1 | TWA: 5mg/m3 Cu respirable fraction | PEL: 10 mg/m3 Fume | TWA: 5 mg/m3 Cu dust and fume |
| Silicon Dioxide 7631-86-9 | _ | TWA: 0.8 mg/m3 | TWA: 6 mg/m3 |
| Barium Sulfate 7727-43-7 | TWA: 10mg/m3 | TWA: 15 mg/m3 total dust<br>TWA: 5 mg/m3 respirable fraction | TWA: 10 mg/m3 total dust<br>TWA: 5 mg/m3 respirable dust |
| Hematite 1317-60-8 | TWA: 5mg/m3 Cu respirable fraction | PEL: 10 mg/m3 Fume | _ |
| Phthalocyanine green 1328-53-6 | TWA: 1mg/m3 Cu dust and mist | _ | IDLH: 100mg/m3 Cu dust and mist<br>TWA 1 mg/m3 Cu dust and mist |
| Phthalocyanine blue 147-14-8 | TWA: 1mg/m3 Cu dust and mist | _ | IDLH: 100mg/m3 Cu dust and mist<br>TWA 1 mg/m3 Cu dust and mist |

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 certified respirators.

**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 product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State** Solid

**Appearance** Multiple Colors

**Color** No information available

**Odor** Characteristic

**Odor Threshold** No information available

| Property | Values | Remarks Method |
|---|---|---|
| **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 |
| **Fammability (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 (Water Flea) |
|---|---|---|---|---|
| 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 |

**Persistance 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 - Threshold |
|---|---|---|---|
| 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 Ammendments 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<br>1309-37-1 | X | X | X | | |
| Titanium Dioxide<br>13463-67-7 | X | X | X | | |
| Silicon Dioxide<br>7631-86-9 | X | X | X | | |
| Barium Sulfate<br>7727-43-7 | X | X | X | | X |
| Hematite<br>1317-60-8 | X | X | X | | X |

**International Regulations**

Mexico
National Occupational exposure limits

| Component | Carcinogen Status | Exposure Limits |
|---|---|---|
| Titanium Dioxide<br>13463-67-7 (5-10) | | Mexico: TWA = 10 mg/m3<br>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**