

Version Number 1.1 Revision Date 08/24/2021 Page 1 of 16 Print Date 08/25/2021

# SAFETY DATA SHEET

#### 352.05 PFA350 CC DBL GREEN

| Section 1. Identification                                  | n          |  |
|--|------------|--|
| GHS product identifier                                     | :          | 352.05 PFA350 CC DBL GREEN   |
| Chemical name  | :          | Mixture  |
| CAS number   | :          | Mixture  |
| Other means of identification                              | :          | CC01059516   |
| Product type   | :          | solid  |
| <u>Relevant identified uses of the subs</u><br>Product use | tance<br>: | or mixture and uses advised against<br>Industrial applications. Plastics.                            |
| Supplier's details   | :          | <b>Colorant Chromatics</b><br>Chromatics, Inc.<br>19 Francis J. Clarke Circle, Bethel, CT 06801, USA |
| Emergency telephone number<br>(with hours of operation)    | :          | +1 800 242 2296<br>CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or<br>accident).   |

### Section 2. Hazards identification

This mixture has not been evaluated as a whole. Information provided on the health effects of this product is based on individual components. Fluoropolymers heated above 350 C can evolve hydrogen fluoride and carbonyl fluoride as degradation products. Processing at elevated temperatures may release fumes that can cause polymer fume fever. The end-user (fabricator) should take necessary precautions (mechanical ventilation, local exhaust, respiratory protection, etc.) to protect employees from exposure to any vapors or dusts that may be released during heating or fabrication. See Sections 8 and 11 for special precautions. After handling, always wash hands thoroughly with soap and water.

| OSHA/HCS status                            | : | While this material is not considered hazardous by the OSHA Hazard<br>Communication Standard (29 CFR 1910.1200), this SDS contains<br>valuable information critical to the safe handling and proper use of the<br>product. This SDS should be retained and available for employees and<br>other users of this product. |
|--|---|--|
| Classification of the substance or mixture | : | Not classified.  |



Version Number 1.1 Revision Date 08/24/2021 Page 2 of 16 Print Date 08/25/2021

| GHS label elements               |   |   |
|----------------------------------|---|---|
| Signal word                      | : | No signal word.                                   |
| Hazard statements                | : | No known significant effects or critical hazards. |
| Precautionary statements         |   |   |
|                                  | : | Not applicable.                                   |
| Prevention                       | : | Not applicable.                                   |
| Response                         | : | Not applicable.                                   |
| Storage                          | : | Not applicable.                                   |
| Disposal                         | : | Not applicable.                                   |
| Supplemental label elements      | : | None known.                                       |
| Hazards not otherwise classified | : | None known.                                       |
|                                  |   | Not available.                                    |

### Section 3. Composition/information on ingredients

| Substance/mixture             | : | Mixture    |
|-------------------------------|---|------------|
| Chemical name                 | : | Mixture    |
| Other means of identification | : | CC01059516 |

CAS number/other identifiers

| Ingredient name                          | %            | CAS number |
|--|--------------|------------|
| Cobalt titanate green spinel (Ni > 0.1%) | >= 5 - <= 10 | 68186-85-6 |
| Titanium dioxide                         | > 0 - <= 0.3 | 13463-67-7 |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

:

#### Section 4. First aid measures

Description of necessary first aid measures

Eye contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses.



| Version Number 1.1       | Page 3 of 16          |
|--------------------------|-----------------------|
| Revision Date 08/24/2021 | Print Date 08/25/2021 |

| Inhalation   | : | Get medical attention if irritation occurs.<br>Remove victim to fresh air and keep at rest in a position comfortable<br>for breathing. Get medical attention if symptoms occur. In case of<br>inhalation of decomposition products in a fire, symptoms may be<br>delayed. The exposed person may need to be kept under medical<br>surveillance for 48 hours. |
|--------------|---|--|
| Skin contact | : | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.   |
| Ingestion    | : | Wash out mouth with water. Remove victim to fresh air and keep at<br>rest in a position comfortable for breathing. If material has been<br>swallowed and the exposed person is conscious, give small quantities<br>of water to drink. Do not induce vomiting unless directed to do so by<br>medical personnel. Get medical attention if symptoms occur.      |

#### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

| Eye contact<br>Inhalation<br>Skin contact<br>Ingestion | :        | No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards.<br>No known significant effects or critical hazards. |
|--|----------|--|
| Over-exposure signs/symptoms                           |          |  |
| Eye contact  | :        | No specific data.  |
| Inhalation   | :        | No specific data.  |
| Skin contact   | :        | No specific data.  |
| Ingestion  | :        | No specific data.  |
| Indication of immediate medical a                      | attentio | n and special treatment needed, if necessary   |
| Notes to physician                                     | :        | In case of inhalation of decomposition products in a fire, symptoms<br>may be delayed. The exposed person may need to be kept under<br>medical surveillance for 48 hours.  |
| Specific treatments                                    | :        | No specific treatment.   |
| Protection of first-aiders                             | :        | No action shall be taken involving any personal risk or without suitable training.   |

See toxicological information (Section 11)

### **Section 5. Fire-fighting measures**

#### Extinguishing media



Version Number 1.1 Revision Date 08/24/2021

#### Page 4 of 16 Print Date 08/25/2021

| Suitable extinguishing media<br>Unsuitable extinguishing media | : | In case of fire, use water spray (fog), foam, dry chemical or $CO_2$ .<br>None known.   |
|--|---|---|
| Specific hazards arising from the chemical                     | : | No specific fire or explosion hazard.   |
| Hazardous thermal<br>decomposition products                    | : | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>nitrogen oxides<br>sulfur oxides<br>halogenated compounds<br>metal oxide/oxides               |
| Special protective actions for fire-<br>fighters               | : | Promptly isolate the scene by removing all persons from the vicinity<br>of the incident if there is a fire. No action shall be taken involving any<br>personal risk or without suitable training. |
| Special protective equipment for fire-fighters                 | : | Fire-fighters should wear appropriate protective equipment and self-<br>contained breathing apparatus (SCBA) with a full face-piece operated<br>in positive pressure mode.                        |

### Section 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

| For non-emergency personnel<br>For emergency responders | :     | No action shall be taken involving any personal risk or without<br>suitable training. Evacuate surrounding areas. Keep unnecessary and<br>unprotected personnel from entering. Do not touch or walk through<br>spilled material. Put on appropriate personal protective equipment.<br>If specialized clothing is required to deal with the spillage, take note<br>of any information in Section 8 on suitable and unsuitable materials.<br>See also the information in "For non-emergency personnel". |
|---|-------|---|
| Environmental precautions                               | :     | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).   |
| Methods and materials for containme                     | ent a | nd cleaning up  |
| Small spill   | :     | Move containers from spill area. Vacuum or sweep up material and<br>place in a designated, labeled waste container. Dispose of via a<br>licensed waste disposal contractor.   |
| Large spill   | :     | Move containers from spill area. Prevent entry into sewers, water<br>courses, basements or confined areas. Vacuum or sweep up material  |



Version Number 1.1 Revision Date 08/24/2021

#### Page 5 of 16 Print Date 08/25/2021

and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

### Section 7. Handling and storage

#### Precautions for safe handling

| Protective measures<br>Advice on general occupational<br>hygiene | : | Put on appropriate personal protective equipment (see Section 8).<br>Eating, drinking and smoking should be prohibited in areas where this<br>material is handled, stored and processed. Workers should wash hands<br>and face before eating, drinking and smoking. Remove contaminated<br>clothing and protective equipment before entering eating areas. See<br>also Section 8 for additional information on hygiene measures.   |
|--|---|--|
| Conditions for safe storage,<br>including any incompatibilities  | : | Store in accordance with local regulations. Store in original container<br>protected from direct sunlight in a dry, cool and well-ventilated area,<br>away from incompatible materials (see Section 10) and food and<br>drink. Keep container tightly closed and sealed until ready for use.<br>Containers that have been opened must be carefully resealed and kept<br>upright to prevent leakage. Do not store in unlabeled containers. Use<br>appropriate containment to avoid environmental contamination. |

### Section 8. Exposure controls/personal protection

#### **Control parameters**

#### **Occupational exposure limits**

| Ingredient name                          | Exposure limits   |
|--|---|
| Cobalt titanate green spinel (Ni > 0.1%) | ACGIH TLV (1994-09-01)<br>TWA 0.02 mg/m3 (as CO)<br>OSHA PEL 1989 (1989-03-01)<br>TWA 1 mg/m3 (as Ni)<br>OSHA PEL (1993-06-30)<br>TWA 1 mg/m3 (as Ni)<br>ACGIH TLV (1998-09-01)<br>TWA 0.2 mg/m3 (as Ni) Form: Inhalable fraction |
| Titanium dioxide                         | OSHA PEL 1989 (1989-03-01)<br>TWA 10 mg/m3 Form: Total dust<br>OSHA PEL (1993-06-30)  |



Version Number 1.1 Revision Date 08/24/2021

#### Page 6 of 16 Print Date 08/25/2021

|   |   | TWA 15 mg/m3 Form: Total dust<br>ACGIH TLV (1996-05-18)<br>TWA 10 mg/m3   |
|---|---|---|
| Appropriate engineering controls<br>Environmental exposure controls | : | Good general ventilation should be sufficient to control worker<br>exposure to airborne contaminants.<br>Emissions from ventilation or work process equipment should be<br>checked to ensure they comply with the requirements of<br>environmental protection legislation. In some cases, fume scrubbers,<br>filters or engineering modifications to the process equipment will be<br>necessary to reduce emissions to acceptable levels.   |
| Individual protection measures                                      |   |   |
| Hygiene measures<br>Eye/face protection                             | : | Wash hands, forearms and face thoroughly after handling chemical<br>products, before eating, smoking and using the lavatory and at the end<br>of the working period. Appropriate techniques should be used to<br>remove potentially contaminated clothing. Wash contaminated<br>clothing before reusing. Ensure that eyewash stations and safety<br>showers are close to the workstation location.<br>Safety eyewear complying with an approved standard should be used<br>when a risk assessment indicates this is necessary to avoid exposure to<br>liquid splashes, mists, gases or dusts. If contact is possible, the<br>following protection should be worn, unless the assessment indicates a<br>higher degree of protection: safety glasses with side-shields. |
| Skin protection   |   |   |
| Hand protection<br>Body protection                                  | : | Chemical-resistant, impervious gloves complying with an approved<br>standard should be worn at all times when handling chemical products<br>if a risk assessment indicates this is necessary.<br>Personal protective equipment for the body should be selected based<br>on the task being performed and the risks involved and should be  |
| Other skin protection   | : | approved by a specialist before handling this product.<br>Appropriate footwear and any additional skin protection measures<br>should be selected based on the task being performed and the risks<br>involved and should be approved by a specialist before handling this<br>product.  |
| Respiratory protection  | : | Based on the hazard and potential for exposure, select a respirator that<br>meets the appropriate standard or certification. Respirators must be<br>used according to a respiratory protection program to ensure proper<br>fitting, training, and other important aspects of use.   |



Version Number 1.1 Revision Date 08/24/2021 Page 7 of 16 Print Date 08/25/2021

### Section 9. Physical and chemical properties

#### Appearance

| Physical state                 | : | solid [Pellets.]          |
|--------------------------------|---|---------------------------|
| Color                          | : | GREEN                     |
| Odor                           | : | Not available.            |
| Odor threshold                 | : | Not available.            |
| pH                             | : | Not available.            |
| Melting point                  | : | Not available.            |
| Boiling point                  | : | Not available.            |
| Flash point                    | : | Not available.            |
| Burning time                   | : | Not available.            |
| Burning rate                   | : | Not available.            |
| Evaporation rate               | : | Not available.            |
| Flammability (solid, gas)      | : | Not available.            |
| Lower and upper explosive      | : | Lower: Not available.     |
| (flammable) limits             |   | Upper: Not available.     |
| Vapor pressure                 | : | Not available.            |
| Vapor density                  | : | Not available.            |
| Relative density               | : | Not available.            |
| Solubility                     | : | Not available.            |
| Solubility in water            | : | Not available.            |
| Partition coefficient: n-      | : | Not available.            |
| octanol/water                  |   |                           |
| Auto-ignition temperature      | : | Not available.            |
| Decomposition temperature      | : | Not available.            |
| SADT                           | : | Not available.            |
| Viscosity                      | : | Dynamic: Not available.   |
|                                |   | Kinematic: Not available. |
| Aerosol product                |   |                           |
| Heat of combustion             | : | Not available.            |
| Ignition distance              | : | Not available.            |
| Enclosed space ignition - Time | - | Not available.            |
| equivalent                     | • | Tot available.            |
| Enclosed space ignition -      | : | Not available.            |
| Deflagration density           | • | rot available.            |
| Flame height                   | : | Not available.            |
| Flame duration                 |   | Not available.            |
|                                | • |                           |

### Section 10. Stability and reactivity



Version Number 1.1 Revision Date 08/24/2021

#### Page 8 of 16 Print Date 08/25/2021

| Reactivity                         | : | No specific test data related to reactivity available for this product or its ingredients.           |
|------------------------------------|---|--|
| Chemical stability                 | : | Stable under recommended storage and handling conditions (see Section 7).                            |
| Possibility of hazardous reactions | : | Under normal conditions of storage and use, hazardous reactions will not occur.                      |
| Conditions to avoid                | : | Keep away from extreme heat and oxidizing agents.  |
| Incompatible materials             | : | Keep away from strong acids.<br>Oxidizer.  |
| Hazardous decomposition products   | : | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

### Section 11. Toxicological information

#### Information on toxicological effects

| Acute | toxicity |
|-------|----------|
|       |          |

| Product/ingredient name | Result          | Species    | Dose          | Exposure |
|-------------------------|-----------------|------------|---------------|----------|
| Titanium oxide          |                 |            |               |          |
|                         | LC50 Inhalation | Rat - Male | 6.82 Mg/l     | 4 h      |
|                         | Dusts and mists |            |               |          |
|                         | LD50 Dermal     | Rabbit     | > 5,000 mg/kg | -        |

Conclusion/Summary

: Mixture.Not fully tested.

#### Irritation/Corrosion

| Product/ingredient name | Result               | Species | Score | Exposure | Observation |
|-------------------------|----------------------|---------|-------|----------|-------------|
| Titanium oxide          | Skin - Mild irritant | Human   | -     | 72 hrs   | -           |

| Conclusion/Summary   |   |                           |  |
|----------------------|---|---------------------------|--|
| Skin                 | : | Mixture.Not fully tested. |  |
| Eyes                 | : | Mixture.Not fully tested. |  |
| Respiratory          | : | Mixture.Not fully tested. |  |
| <u>Sensitization</u> |   |                           |  |
| Conclusion/Summary   |   |                           |  |
| Skin                 | : | Mixture.Not fully tested. |  |
| Respiratory          | : | Mixture.Not fully tested. |  |
| <u>Mutagenicity</u>  |   |                           |  |
| Conclusion/Summary   | : | Mixture.Not fully tested. |  |
|                      |   | 8/16                      |  |



Version Number 1.1 Revision Date 08/24/2021 Page 9 of 16 Print Date 08/25/2021

#### Carcinogenicity

**Conclusion/Summary** : Mixture.Not fully tested.

#### **Classification**

| Product/ingredient name | OSHA | IARC | NTP  |
|-------------------------|------|------|--|
| C.I. Pigment Green 50   | -    | 2B1  | Reasonably anticipated to be a human       |
|                         |      |      | carcinogen.Known to be a human carcinogen. |
| Titanium oxide          | -    | 2B   | -  |

#### **Reproductive toxicity**

**Conclusion/Summary** : Mixture.Not fully tested.

#### **Teratogenicity**

**Conclusion/Summary** : Mixture.Not fully tested.

#### Specific target organ toxicity (single exposure) Not available.

#### Specific target organ toxicity (repeated exposure) Not available.

Aspiration hazard

Not available.

## **Information on the likely routes of** : Not available. **exposure**

Potential acute health effects

| Eye contact  | : | No known significant effects or critical hazards. |
|--------------|---|---|
| Inhalation   | : | No known significant effects or critical hazards. |
| Skin contact | : | No known significant effects or critical hazards. |
| Ingestion    | : | No known significant effects or critical hazards. |

#### Symptoms related to the physical, chemical and toxicological characteristics

| Eye contact  | : | No specific data. |
|--------------|---|-------------------|
| Inhalation   | : | No specific data. |
| Skin contact | : | No specific data. |
| Ingestion    | : | No specific data. |



Version Number 1.1 Revision Date 08/24/2021 Page 10 of 16 Print Date 08/25/2021

#### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure **Potential immediate effects** : Not available. Potential delayed effects Not available. • Long term exposure **Potential immediate effects** Not available. : **Potential delayed effects** Not available. : Potential chronic health effects **Conclusion/Summary** Mixture.Not fully tested. : General No known significant effects or critical hazards. : No known significant effects or critical hazards. Carcinogenicity : No known significant effects or critical hazards. Mutagenicity : No known significant effects or critical hazards. Teratogenicity : **Developmental effects** No known significant effects or critical hazards. : **Fertility effects** No known significant effects or critical hazards. :

Numerical measures of toxicity

Acute toxicity estimates

| Product/ingredient name       | Oral | Dermal | Inhalation<br>(gases) | Inhalation<br>(vapors) | Inhalation<br>(dusts and<br>mists) |
|-------------------------------|------|--------|-----------------------|------------------------|------------------------------------|
| 352.05 PFA350 CC DBL<br>GREEN | N/A  | N/A    | N/A                   | N/A                    | 6.82 Mg/l                          |
| Titanium oxide                | N/A  | N/A    | N/A                   | N/A                    | 6.82 Mg/l                          |

**Other information** 

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

### Section 12. Ecological information

:



Version Number 1.1 Revision Date 08/24/2021 Page 11 of 16 Print Date 08/25/2021

#### **Toxicity**

| Product/ingredient name                      | Result   | Species                             | Exposure      |  |  |
|--|--|-------------------------------------|---------------|--|--|
| Titanium oxide                               |  |                                     |               |  |  |
|  | Acute LC50 > 1,000 Mg/l<br>Marine water  | Fish - Fundulus heteroclitus        | 96 h          |  |  |
|  | Acute LC50 3 Mg/l Fresh water  | Crustaceans - Ceriodaphnia<br>dubia | 48 h          |  |  |
|  | Acute LC50 6.5 Mg/l Fresh water  | Daphnia - Daphnia pulex             | 48 h          |  |  |
| 352.05 PFA350 CC DBL GREE                    | EN   |                                     |               |  |  |
| Remarks - Acute - Aquatic<br>invertebrates.: | Chemicals are not readily available  | le as they are bound within the po  | lymer matrix. |  |  |
| Conclusion/Summary                           | : Chemicals are not readily available as they are bound within the polymer matrix. |                                     |               |  |  |
| Persistence and degradability                |  |                                     |               |  |  |
| Conclusion/Summary                           | : Chemicals are not readily available as they are bound within the polymer matrix. |                                     |               |  |  |
| Conclusion/Summary                           | : Chemicals are not readily available as they are bound within the polymer matrix. |                                     |               |  |  |
| Bioaccumulative potential<br>Not available.  |  |                                     |               |  |  |
| Mobility in soil                             |  |                                     |               |  |  |
| Soil/water partition coefficie<br>(KOC)      | nt : Not available.  |                                     |               |  |  |
| Other adverse effects                        | : No known significant   | effects or critical hazards.        |               |  |  |

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable



Version Number 1.1 Revision Date 08/24/2021 Page 12 of 16 Print Date 08/25/2021

products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

United States - RCRA Acute hazardous waste "P" List: Not listed

United States - RCRA Toxic hazardous waste "U" List: Not listed

### **Section 14. Transport information**

| U.S.DOT 49CFR<br>Ground/Air/Water | : | Not regulated for transportation.     |
|-----------------------------------|---|---------------------------------------|
| International Air<br>ICAO/IATA    | : | Consult mode specific transport rules |
| International Water<br>IMO/IMDG   | : | Consult mode specific transport rules |

### Section 15. Regulatory information

| U.S. Federal regulations | <ul> <li>United States - TSCA 12(b) - Chemical export notification: None of the components are listed.</li> <li>United States - TSCA 4(a) - Final Test Rules: Not listed</li> <li>United States - TSCA 4(a) - ITC Priority list: Not listed</li> <li>United States - TSCA 4(a) - Proposed test rules: Not listed</li> <li>United States - TSCA 4(f) - Priority risk review: Not listed</li> <li>United States - TSCA 4(f) - Priority risk review: Not listed</li> <li>United States - TSCA 5(a)2 - Final significant new use rules: Not listed</li> <li>United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed</li> <li>United States - TSCA 5(e) - Substances consent order: Not listed</li> <li>United States - TSCA 6 - Proposed risk management: Not listed</li> <li>United States - TSCA 8(a) - Chemical risk rules: Not listed</li> <li>United States - TSCA 8(a) - Chemical Data Reporting (CDR): Not determined</li> <li>United States - TSCA 8(a) - Preliminary assessment report</li> </ul> |
|--------------------------|--|
|                          | 12/16  |



| Version Number 1.1       | Page 13 of 16         |
|--------------------------|-----------------------|
| Revision Date 08/24/2021 | Print Date 08/25/2021 |

|  |   | <ul> <li>(PAIR): Not listed</li> <li>United States - TSCA 8(c) - Significant adverse reaction (SAR):<br/>Not listed</li> <li>United States - TSCA 8(d) - Health and safety studies: Not listed</li> <li>United States - TSCA 6 - Final risk management: Not listed</li> <li>United States - EPA Clean water act (CWA) section 307 - Priorite<br/>pollutants: Listed Cobalt titanate green spinel (Ni &gt; 0.1%)</li> <li>United States - EPA Clean water act (CWA) section 311 -<br/>Hazardous substances: Not listed</li> </ul> |  |
|--|---|--|--|
|  |   | United States - EPA Clean air act (CAA) section 112 - Accidental<br>release prevention - Flammable substances: Not listed<br>United States - EPA Clean air act (CAA) section 112 - Accidental<br>release prevention - Toxic substances: Not listed<br>United States - Department of commerce - Precursor chemical:<br>Not listed   |  |
| Clean Air Act Section 112(b)                     | : | Listed   |  |
| Hazardous Air Pollutants (HAPs)                  |   |  |  |
| Clean Air Act Section 602 Class I<br>Substances  | : | Not listed   |  |
| Clean Air Act Section 602 Class II<br>Substances | : | Not listed   |  |
| DEA List I Chemicals (Precursor                  | : | Not listed   |  |
| Chemicals)                                       | - |  |  |
| DEA List II Chemicals (Essential<br>Chemicals)   | : | Not listed   |  |

#### US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

#### SARA 311/312

Classification

: Not applicable.

#### **Composition/information on ingredients**

No products were found.

| Name                  | %            | Classification                |
|-----------------------|--------------|-------------------------------|
| C.I. Pigment Green 50 | >= 5 - <= 10 | CARCINOGENICITY - Category 1A |
| Titanium oxide        | > 0 - <= 0.3 | CARCINOGENICITY - Category 2  |



Version Number 1.1 Revision Date 08/24/2021 Page 14 of 16 Print Date 08/25/2021

#### Form R - Reporting requirements

| Product name                                 | CAS number | %            |
|--|------------|--------------|
| Cobalt titanate green spinel (Ni $> 0.1\%$ ) | 68186-85-6 | >= 5 - <= 10 |
|  |            |              |

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

Not applicable.

| State regulations |   |  |
|-------------------|---|--|
| Massachusetts     | : | None of the components are listed.                               |
| New York          | : | None of the components are listed.                               |
| New Jersey        | : | The following components are listed:                             |
| ·                 |   | Cobalt titanate green spinel (Ni > $0.1\%$ )<br>Titanium dioxide |
| Pennsylvania      | : | The following components are listed:                             |
| ·                 |   | Cobalt titanate green spinel (Ni $> 0.1\%$ )                     |
|                   |   | Titanium dioxide   |

#### California Prop. 65

**WARNING:** This product can expose you to chemicals including Cobalt titanate green spinel (Ni > 0.1%), which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

| Ingredient name                              | No significant risk level | Maximum acceptable<br>dosage level |
|--|---------------------------|------------------------------------|
| Cobalt titanate green spinel (Ni $> 0.1\%$ ) | -                         | -                                  |
| Titanium dioxide                             | -                         | -                                  |

| United States inventory (TSCA 8b) | : | All components are active or exempted. |
|-----------------------------------|---|--|
| Canada inventory                  | : | All components are listed or exempted. |
| International regulations         |   |  |
| Inventory list                    |   |  |
| Australia                         | : | All components are listed or exempted. |
| Canada                            | : | All components are listed or exempted. |
| China                             | : | All components are listed or exempted. |
| Europe inventory                  | : | All components are listed or exempted. |
| Japan                             | : | All components are listed or exempted. |
| New Zealand                       | : | All components are listed or exempted. |
|                                   |   | 11/16                                  |



Version Number 1.1 Revision Date 08/24/2021 Page 15 of 16 Print Date 08/25/2021

| Philippines       | : | All components are listed or exempted. |
|-------------------|---|--|
| Republic of Korea | : | All components are listed or exempted. |
| Taiwan            | : | All components are listed or exempted. |
| Turkey            | : | Not determined.                        |
| United States     | : | All components are active or exempted. |

### Section 16. Other information

Hazardous Material Information System (U.S.A.)

| Health           | / | 0 |
|------------------|---|---|
| Flammability     |   | 0 |
| Physical hazards |   | 0 |
|                  |   |   |

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual. History

| History                        |   |  |
|--------------------------------|---|--|
| Date of printing               | : | 08/25/2021   |
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| Version                        | : | 1.1  |
| Key to abbreviations           | : | ATE = Acute Toxicity Estimate  |
| ·                              |   | BCF = Bioconcentration Factor  |
|                                |   | GHS = Globally Harmonized System of Classification and Labelling of    |
|                                |   | Chemicals  |
|                                |   | IATA = International Air Transport Association                         |
|                                |   | IBC = Intermediate Bulk Container                                      |
|                                |   | IMDG = International Maritime Dangerous Goods                          |
|                                |   | LogPow = logarithm of the octanol/water partition coefficient          |
|                                |   | MARPOL = International Convention for the Prevention of Pollution From |
|                                |   | Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine    |
|                                |   | pollution)   |
|                                |   | UN = United Nations  |
| References                     | : | Not available.   |
|                                |   |  |

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or



Version Number 1.1 Revision Date 08/24/2021 Page 16 of 16 Print Date 08/25/2021

completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Particularly this information may not be valid for such material used in conjunction with any other materials or in any process, unless specified in the text.