#### USP Blue 288C

Version Number 1.2 Revision Date 04/14/2017

ne

Page 1 of 15 Print Date 04/15/2017

# SAFETY DATA SHEET

USP Blue 288C

| Section 1. Identification  | on |  |
|--|----|--|
| GHS product identifier<br>Chemical name<br>CAS number<br>Other means of identification<br>Product type | :  | USP Blue 288C<br>Mixture<br>Mixture<br>FO20034309<br>liquid                  |
|  |    | or mixture and uses advised against  |
| Product use  | :  | Industrial applications. Plastics.   |
| Supplier's details   | :  | POLYONE CORPORATION<br>33587 Walker Road, Avon Lake, OH 44012                |
|  |    | 1 (440) 930-1000 or 1 (866) POLYONE  |
| Emergency telephone number<br>(with hours of operation)  | :  | CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or 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. All ingredients are bound and potential for hazardous exposure as shipped is minimal. However, some vapors may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. 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.  |
| GHS label elements                         |   |  |
| Signal word                                | : | No signal word.  |
|  |   | 1/15   |

#### USP Blue 288C

Version Number 1.2 Revision Date 04/14/2017 <u>PolyOne</u>

Page 2 of 15 Print Date 04/15/2017

Hazard statements

No known significant effects or critical hazards.

#### **Precautionary statements**

| General                          | : | 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.     |

# Section 3. Composition/information on ingredients

:

| Substance/mixture             | : | Mixture    |
|-------------------------------|---|------------|
| Chemical name                 | : | Mixture    |
| Other means of identification | : | FO20034309 |

CAS number/other identifiers

| Ingredient name  | %     | CAS number |
|------------------|-------|------------|
| Titanium dioxide | 1 - 5 | 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. Get medical attention if irritation occurs. |
|-------------|---|---|
| Inhalation  | : | 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   |

## USP Blue 288C



| Version Number 1.2       | Page 3 of 15          |
|--------------------------|-----------------------|
| Revision Date 04/14/2017 | Print Date 04/15/2017 |
|                          |                       |

|              | inhalation of decomposition products in a fire, symptoms may be       |
|--------------|---|
|              | delayed. The exposed person may need to be kept under medical         |
|              | 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   |
|              | rest in a position comfortable for breathing. If material has been    |
|              | swallowed and the exposed person is conscious, give small quantities  |
|              | of water to drink. Do not induce vomiting unless directed to do so by |
|              | 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 | :<br>:<br>: | 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 atte                   | entio       | 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. Firefighting measures

#### Extinguishing media

Suitable extinguishing media : In case of fire, use water spray (fog), foam, dry chemical or CO<sub>2</sub>.

## USP Blue 288C

# P<u>olyOne</u>

| Version Number 1.2<br>Revision Date 04/14/2017  |   | Page 4 of 15<br>Print Date 04/15/2017   |
|---|---|---|
| Unsuitable extinguishing media  | : | None known.   |
| Specific hazards arising from the<br>chemical<br>Hazardous thermal<br>decomposition products          | : | In a fire or if heated, a pressure increase will occur and the container<br>may burst.<br>Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>nitrogen oxides<br>metal oxide/oxides   |
| Special protective actions for fire-<br>fighters<br>Special protective equipment for<br>fire-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.<br>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 containment and cleaning up   |   |   |
| Small spill   | : | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.   |
| Large spill   | : | Stop leak if without risk. Move containers from spill area. Prevent<br>entry into sewers, water courses, basements or confined areas. Wash<br>spillages into an effluent treatment plant or proceed as follows.<br>Contain and collect spillage with non-combustible, absorbent material  |
| 4/15  |   |   |

#### USP Blue 288C

Version Number 1.2 Revision Date 04/14/2017 PolyOne

Page 5 of 15 Print Date 04/15/2017

e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). 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   |  |  |
|------------------|---|--|--|
| Titanium dioxide | OSHA PEL 1989 (1989-03-01)<br>PEL: Permissible Exposure Level 10 mg/m3 Form: Total dust<br>OSHA PEL (1993-06-30)<br>PEL: Permissible Exposure Level 15 mg/m3 Form: Total dust |  |  |
|                  | NIOSH REL (1994-06-01)<br>ACGIH TLV (1996-05-18)<br>TLV-TWA: Threshold Limit Value - Time weighted average PEL:<br>Permissible Exposure Level 10 mg/m3                        |  |  |

## USP Blue 288C



| Version Number 1.2<br>Revision Date 04/14/2017 | Page 6 of 15<br>Print Date 04/15/2017   |
|--|---|
|  |   |
| Appropriate engineering controls               | : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.  |
| Environmental exposure controls                | <ul> <li>Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.</li> </ul>  |
| Individual protection measures                 |   |
| Hygiene measures                               | Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety  |
| Eye/face protection                            | <ul> <li>showers are close to the workstation location.</li> <li>Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.</li> </ul> |
| Skin protection                                |   |
| Hand protection                                | : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.   |
| Body protection                                | Personal protective equipment for the body should be selected based<br>on the task being performed and the risks involved and should be<br>approved by a specialist before handling this product.   |
| Other skin protection                          | <ul> <li>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.</li> </ul>   |
| <b>Respiratory protection</b>                  | 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.   |

# Section 9. Physical and chemical properties

#### **Appearance**

| Physical state | : liquid [liquid] |
|----------------|-------------------|
| Color          | : BLUE            |
|                |                   |

## USP Blue 288C

| Version Numbe | er 1.2     |
|---------------|------------|
| Revision Date | 04/14/2017 |

# <u>PolyOne</u>

Page 7 of 15 Print Date 04/15/2017

| Odor   | :                                       | Not available.   |
|--|---|--|
| Odor threshold   | :                                       | Not available.   |
| рН   | :                                       | 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 pressure<br>Vapor density  | :                                       | Not available.<br>Not available.   |
|  | :                                       | r tot u turiucit.  |
| Vapor density  | :                                       | Not available.   |
| Vapor density<br>Relative density  | :                                       | Not available.<br>Not available.   |
| Vapor density<br>Relative density<br>Solubility  | : | Not available.<br>Not available.<br>Not available.   |
| Vapor density<br>Relative density<br>Solubility<br>Solubility in water   | :                                       | Not available.<br>Not available.<br>Not available.<br>Not available.   |
| Vapor density<br>Relative density<br>Solubility<br>Solubility in water<br>Partition coefficient: n-  | :                                       | Not available.<br>Not available.<br>Not available.<br>Not available.   |
| Vapor density<br>Relative density<br>Solubility<br>Solubility in water<br>Partition coefficient: n-<br>octanol/water   | :                                       | Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.                                     |
| Vapor density<br>Relative density<br>Solubility<br>Solubility in water<br>Partition coefficient: n-<br>octanol/water<br>Auto-ignition temperature                              | :                                       | Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.                                     |
| Vapor density<br>Relative density<br>Solubility<br>Solubility in water<br>Partition coefficient: n-<br>octanol/water<br>Auto-ignition temperature<br>Decomposition temperature | :                                       | Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available.<br>Not available. |

# Section 10. Stability and reactivity

| 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<br>products | : | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

# Section 11. Toxicological 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.



## USP Blue 288C

Version Number 1.2 Revision Date 04/14/2017

#### Page 8 of 15 Print Date 04/15/2017

#### **Information on toxicological effects**

#### Acute toxicity

| Product/ingredient name | Result          | Species    | Dose          | Exposure |
|-------------------------|-----------------|------------|---------------|----------|
| Titanium dioxide        |                 |            |               |          |
|                         | LC50 Inhalation | Rat - Male | 6.82 Mg/l     | 4 h      |
|                         | LD50 Dermal     | Rabbit     | > 5,000 mg/kg | -        |
|                         | 10.1            |            |               |          |

Conclusion/Summary

: Mixture.Not fully tested.

#### Irritation/Corrosion

| Product/ingredient name                         | Result           | Species         | Score       | Exposure | Observation |
|---|------------------|-----------------|-------------|----------|-------------|
| Titanium dioxide                                | Skin - Mild      | Human           |             | 72 hrs   | -           |
|   | irritant         |                 |             |          |             |
| <b>Conclusion/Summary</b>                       |                  |                 |             |          |             |
| Skin  |                  | lixture.Not ful |             |          |             |
| Eyes  |                  | lixture.Not ful |             |          |             |
| Respiratory                                     | : N              | lixture.Not ful | lly tested. |          |             |
| <u>Sensitization</u>                            |                  |                 |             |          |             |
| Conclusion/Summary                              |                  |                 |             |          |             |
| Skin  |                  | lixture.Not ful |             |          |             |
| Respiratory                                     | : N              | lixture.Not ful | lly tested. |          |             |
| Mutagenicity                                    |                  |                 |             |          |             |
| <b>Conclusion/Summary</b>                       | : N              | lixture.Not ful | lly tested. |          |             |
| Carcinogenicity                                 |                  |                 |             |          |             |
| Conclusion/Summary                              | : N              | lixture.Not ful | lly tested. |          |             |
| <u>Reproductive toxicity</u>                    |                  |                 |             |          |             |
| Conclusion/Summary                              | : N              | lixture.Not ful | lly tested. |          |             |
| <u>Teratogenicity</u>                           |                  |                 |             |          |             |
| Conclusion/Summary                              | : N              | lixture.Not ful | lly tested. |          |             |
| Specific target organ toxicit<br>Not available. | y (single exposı | <u>ıre)</u>     |             |          |             |

## USP Blue 288C

PolyOne.

| Version Number 1.2       |  |
|--------------------------|--|
| Revision Date 04/14/2017 |  |
|                          |  |

#### Page 9 of 15 Print Date 04/15/2017

| Specific target organ toxicity (rependent)<br>Not available.  | eated             | exposure)  |
|---|-------------------|--|
| Aspiration hazard<br>Not available.   |                   |  |
| Information on likely routes of exposure  | :                 | Not available.   |
| 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. |
| Symptoms related to the physical, o   | chemi             | cal and toxicological characteristics  |
| Eye contact<br>Inhalation<br>Skin contact<br>Ingestion  | ::                | No specific data.<br>No specific data.<br>No specific data.<br>No specific data.   |
|   |                   |  |
| Delayed and immediate effects as w  | vell as           | chronic effects from short and long-term exposure  |
| Delayed and immediate effects as we Short term exposure   | vell as           | s chronic effects from short and long-term exposure  |
|   | vell as<br>:<br>: | s chronic effects from short and long-term exposure<br>Not available.<br>Not available.  |
| <u>Short term exposure</u><br>Potential immediate effects   |                   | Not available.   |
| <u>Short term exposure</u><br>Potential immediate effects<br>Potential delayed effects  |                   | Not available.   |
| <u>Short term exposure</u><br>Potential immediate effects<br>Potential delayed effects<br><u>Long term exposure</u><br>Potential immediate effects                              | ::                | Not available.<br>Not available.<br>Not available.   |
| <u>Short term exposure</u><br>Potential immediate effects<br>Potential delayed effects<br><u>Long term exposure</u><br>Potential immediate effects<br>Potential delayed effects | ::                | Not available.<br>Not available.<br>Not available.   |
| Short term exposurePotential immediate effectsPotential delayed effectsLong term exposurePotential immediate effectsPotential delayed effectsPotential delayed effects          |                   | Not available.<br>Not available.<br>Not available.<br>Not available.   |

## USP Blue 288C

Version Number 1.2 Revision Date 04/14/2017 <u>One</u>

Page 10 of 15 Print Date 04/15/2017

Numerical measures of toxicity

Acute toxicity estimates

Not available.

# Section 12. Ecological information

**Toxicity** 

| Product/ingredient name | Result                           | Species                | Exposure |  |
|-------------------------|----------------------------------|------------------------|----------|--|
| Titanium dioxide        |                                  |                        |          |  |
|                         | Acute LC50 > 1,000,000 μg/l      | Fish - Fish            | 96 h     |  |
|                         | Marine water                     |                        |          |  |
|                         | Acute LC50 > 1,000 mg/l Fresh    | Fish - Fish            | 96 h     |  |
|                         | water                            |                        |          |  |
|                         | Acute LC50 13 mg/l Fresh water   | Aquatic invertebrates. | 48 h     |  |
|                         |                                  | Daphnia                |          |  |
|                         | Acute LC50 6.5 mg/l Fresh water  | Aquatic invertebrates. | 48 h     |  |
|                         |                                  | Daphnia                |          |  |
|                         | Acute LC50 3 mg/l Fresh water    | Aquatic invertebrates. | 48 h     |  |
|                         | -                                | Crustaceans            |          |  |
|                         | Acute LC50 15.9 mg/l Fresh water | Aquatic invertebrates. | 48 h     |  |
|                         | -                                | Crustaceans            |          |  |
|                         | Acute LC50 3.6 mg/l Fresh water  | Aquatic invertebrates. | 48 h     |  |
|                         |                                  | Crustaceans            |          |  |
|                         | Acute LC50 11 mg/l Fresh water   | Aquatic invertebrates. | 48 h     |  |
|                         |                                  | Crustaceans            |          |  |
|                         | Acute LC50 13.4 mg/l Fresh water | Aquatic invertebrates. | 48 h     |  |
|                         |                                  | Crustaceans            |          |  |
|                         | Acute EC50 27.8 mg/l Fresh water | Aquatic invertebrates. | 48 h     |  |
|                         |                                  | Daphnia                |          |  |
|                         | Acute EC50 19.3 mg/l Fresh water | Aquatic invertebrates. | 48 h     |  |
|                         | _                                | Daphnia                |          |  |
|                         | Acute EC50 35.306 mg/l Fresh     | Aquatic invertebrates. | 48 h     |  |
|                         | water                            | Daphnia                |          |  |
| Conclusion/Summary      | : Not available.                 |                        |          |  |

Persistence and degradability

**Conclusion/Summary** 

Not available.

:

10/15

### USP Blue 288C

| P | bh | vOne |
|---|----|------|
| _ | _  |      |

Version Number 1.2 Revision Date 04/14/2017

#### Page 11 of 15 Print Date 04/15/2017

#### **Bioaccumulative potential**

**Disposal methods** 

| Product/ingredient name               | LogPow | BCF                             | Potential         |  |
|---------------------------------------|--------|---------------------------------|-------------------|--|
| Titanium dioxide                      |        | -                               | low               |  |
| <u>Mobility in soil</u>               |        |                                 |                   |  |
| Soil/water partition coefficien (KOC) | it :   | Not available.                  |                   |  |
| Other adverse effects                 | :      | No known significant effects or | critical hazards. |  |

: 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 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 |

## USP Blue 288C

Version Number 1.2 Revision Date 04/14/2017



Page 12 of 15 Print Date 04/15/2017

# 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 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 - Final risk management: Not listed</li> <li>United States - TSCA 8(a) - Chemical risk rules: 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> <li>(PAIR): Not listed</li> <li>United States - TSCA 8(d) - Health and safety studies: Not listed</li> <li>United States - TSCA 8(d) - Health and safety studies: Not listed</li> <li>United States - EPA Clean water act (CWA) section 311 - Hazardous substances: Not listed</li> <li>United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances: Not listed</li> </ul> |
|---|---|--|
|   |   | release prevention - Toxic substances: Not listed<br>United States - Department of commerce - Precursor chemical:<br>Not listed  |
| Clean Air Act Section 112(b)<br>Hazardous Air Pollutants (HAPs) | : | Not listed   |
| Clean Air Act Section 602 Class I<br>Substances                 | : | Not listed   |
| Clean Air Act Section 602 Class II<br>Substances                | : | Not listed   |
| <b>DEA List I Chemicals (Precursor</b>                          | : | Not listed   |

## USP Blue 288C

Version Number 1.2 Revision Date 04/14/2017 Page 13 of 15 Print Date 04/15/2017

Chemicals) DEA List II Chemicals (Essential : Not listed Chemicals)

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

not applicable

SARA 311/312

Classification

: Not applicable.

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

| Name             | %     | Classification |
|------------------|-------|----------------|
| Titanium dioxide | 1 - 5 | СН             |
|                  |       |                |

#### <u>SARA 313</u>

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:                  |
| ·                                  |      | Phthalocyanine Blue                                   |
|                                    |      | Titanium dioxide                                      |
| Pennsylvania                       | :    | The following components are listed:                  |
| ·                                  |      | Titanium dioxide                                      |
|                                    |      |   |
|                                    |      | Phthalocyanine Blue                                   |
|                                    |      |   |
| <u>California Prop. 65</u>         |      |   |
| WARNING: This product contains a c | hemi | cal known to the State of California to cause cancer. |
|                                    |      |   |
| United States inventory (TSCA 8b)  | :    | All components are listed 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.                |
| Europe inventor y                  | ·    | · ·   |
|                                    |      | 13/15   |

*One* 



#### USP Blue 288C

Version Number 1.2 Revision Date 04/14/2017 Page 14 of 15 Print Date 04/15/2017

| Japan             | : | All components are listed or exempted. |
|-------------------|---|--|
| New Zealand       | : | All components are listed or exempted. |
| Philippines       | : | All components are listed or exempted. |
| Republic of Korea | : | All components are listed or exempted. |
| Taiwan            | : | All components are listed or exempted. |
| Turkey            | : | All components are listed or exempted. |
| United States     | : | All components are listed or exempted. |

## Section 16. Other information

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

| Health           | * | 1 |
|------------------|---|---|
| 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 are not required on SDSs 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 mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868. The customer is responsible for determining the PPE code for this material.

**History** 

| <u>Instory</u>                 |   |  |
|--------------------------------|---|--|
| Date of printing               | : | 04/15/2017   |
| Date of issue/Date of revision | : | 04/14/2017   |
| Date of previous issue         | : | 05/04/2015   |
| Version                        | : | 1.2  |
| 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

'ne

## USP Blue 288C

Version Number 1.2 Revision Date 04/14/2017 Page 15 of 15 Print Date 04/15/2017

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.