

Issue Date 11-Aug-2015

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Version 1

LC

Legacy Colourant

## 1. IDENTIFICATION

### Product identifier

**Product Name** Legacy Colourant

### Other means of identification

**Product Code** LC

### Recommended use of the chemical and restrictions on use

**Recommended Use** Coloring agent for Concrete.

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### **Supplier Address**

Solomon Colors, Inc.  
4050 Color Plant Road  
Springfield, IL 62702

#### **Manufacturer Address**

Solomon Colors, Inc.  
4050 Color Plant Road  
Springfield, IL 62702

**Company Phone Number** 800-624-0261 (US & Canada); 217-522-3112 (Outside North America)

**24 Hour Emergency Phone Number** 800-373-7542

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

### Label elements

#### **Emergency Overview**

#### **Hazard statements**

Do not allow product to dry. Dried product may be harmful if inhaled.

The product contains no substances which at their given concentration, are considered to be hazardous to health

**Appearance** Viscous

**Physical state** Liquid

**Odor** Characteristic

#### **Precautionary Statements - Prevention**

Obtain special instructions before use

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

Use personal protective equipment as required

#### **Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 May cause eye irritation. May cause: tearing, redness, discomfort.  
 If eye irritation persists: Get medical advice/attention  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing  
 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician  
 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting  
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

#### Precautionary Statements - Storage

Store in accordance with local regulations

Store in a well-ventilated place. Keep container tightly closed

#### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

#### Hazards not otherwise classified (HNOC)

#### Other Information

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name          | CAS No.     | Weight-% | Trade Secret |
|------------------------|-------------|----------|--------------|
| Yellow Iron Oxide      | 51274-00-1  | 0-100    | *            |
| Titanium Dioxide       | 13463-67-7  | 0-100    | *            |
| Red Iron Oxide         | 1309-37-1   | 0-90     | *            |
| Cobalt Blue            | 1345-16-0   | 0-65     | *            |
| Chrome Oxide           | 1308-38-9   | 0-50     | *            |
| Carbon Black           | 1333-86-4   | 0-10     | *            |
| Black Iron Oxide       | 1317-61-9   | 0-100    | *            |
| Proprietary Dispersant | Proprietary | 1 -10    | *            |
| Aluminum Silicate      | 12199-37-0  | 1-5      | *            |

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

### 4. FIRST AID MEASURES

#### Description of first aid measures

##### General advice

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

##### Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. (Get medical attention immediately if irritation persists.).

##### Skin Contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. In the case of skin irritation or allergic reactions see a physician.

##### Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.

##### Ingestion

Clean mouth with water. Remove from exposure, lie down. Do not induce vomiting without medical advice. Consult a physician if necessary.

### **Most important symptoms and effects, both acute and delayed**

**Symptoms** No information available.

### **Indication of any immediate medical attention and special treatment needed**

**Note to physicians** 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.

#### **Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

### **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 contact with skin, eyes or clothing. Use personal protective equipment as required. Avoid creating dust. Evacuate personnel to safe areas.

### **Environmental precautions**

**Environmental precautions** See Section 12 for additional ecological information.

### **Methods and material for containment and cleaning up**

**Methods for containment** Vacuum or sweep up material and place in a designated labeled waste container. Prevent further leakage or spillage if safe to do so. Prevent dust cloud.

**Methods for cleaning up** With clean shovel place material into clean, dry container and cover loosely; move containers from spill area. Take up with sand, earth or other non-combustible absorbent material. Use personal protective equipment as required.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## **7. HANDLING AND STORAGE**

### **Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

### **Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep from freezing. Keep cool. Protect from sunlight. Store at temperatures not exceeding 80 °C/ 176 °F.

**Incompatible materials** Strong oxidizing agents. Strong acids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies. The TWA limits are set for Iron or Iron Oxide fumes. The Iron Oxide pigments do not contain any Iron or Iron Oxide fumes.

| Chemical Name                  | ACGIH TLV                                                                      | OSHA PEL                                                                                                                                                                                                                                                                           | NIOSH IDLH                                                                                                                                                      |
|--------------------------------|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Titanium Dioxide<br>13463-67-7 | TWA: 10 mg/m <sup>3</sup>                                                      | TWA: 15 mg/m <sup>3</sup> total dust<br>(vacated) TWA: 10 mg/m <sup>3</sup> total dust                                                                                                                                                                                             | IDLH: 5000 mg/m <sup>3</sup>                                                                                                                                    |
| Red Iron Oxide<br>1309-37-1    | TWA: 5 mg/m <sup>3</sup> respirable fraction                                   | TWA: 10 mg/m <sup>3</sup> fume<br>TWA: 15 mg/m <sup>3</sup> total dust<br>TWA: 5 mg/m <sup>3</sup> respirable fraction<br>(vacated) TWA: 10 mg/m <sup>3</sup> fume<br>and total dust Iron oxide<br>(vacated) TWA: 5 mg/m <sup>3</sup> respirable<br>fraction regulated under Rouge | IDLH: 2500 mg/m <sup>3</sup> Fe dust and<br>fume<br>TWA: 5 mg/m <sup>3</sup> Fe dust and fume                                                                   |
| Cobalt Blue<br>1345-16-0       | TWA: 0.02 mg/m <sup>3</sup> Co TWA: 1<br>mg/m <sup>3</sup> respirable fraction | -                                                                                                                                                                                                                                                                                  | -                                                                                                                                                               |
| Chrome Oxide<br>1308-38-9      | TWA: 0.5 mg/m <sup>3</sup> Cr                                                  | TWA: 0.5 mg/m <sup>3</sup> Cr<br>(vacated) TWA: 0.5 mg/m <sup>3</sup> Cr                                                                                                                                                                                                           | IDLH: 25 mg/m <sup>3</sup> Cr(III)<br>TWA: 0.5 mg/m <sup>3</sup> Cr                                                                                             |
| Carbon Black<br>1333-86-4      | TWA: 3 mg/m <sup>3</sup> inhalable fraction                                    | TWA: 3.5 mg/m <sup>3</sup><br>(vacated) TWA: 3.5 mg/m <sup>3</sup>                                                                                                                                                                                                                 | IDLH: 1750 mg/m <sup>3</sup><br>TWA: 3.5 mg/m <sup>3</sup><br>TWA: 0.1 mg/m <sup>3</sup> Carbon black in<br>presence of Polycyclic aromatic<br>hydrocarbons PAH |

### Appropriate engineering controls

#### Engineering Controls

Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

|                                 |                                                                              |
|---------------------------------|------------------------------------------------------------------------------|
| <b>Eye/face protection</b>      | Avoid contact with eyes. Wear safety glasses with side shields (or goggles). |
| <b>Skin and body protection</b> | Wear protective gloves and protective clothing. Protective shoes or boots.   |
| <b>Respiratory protection</b>   | In case of inadequate ventilation wear respiratory protection.               |

#### General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                                      |                          |                         |                |
|--------------------------------------|--------------------------|-------------------------|----------------|
| <b>Physical state</b>                | Liquid                   | <b>Odor</b>             | Characteristic |
| <b>Appearance</b>                    | Viscous                  | <b>Odor threshold</b>   | Not applicable |
| <b>Color</b>                         | Various                  |                         |                |
| <b>Property</b>                      | <b>Values</b>            | <b>Remarks • Method</b> |                |
| <b>pH</b>                            | 8.0 - 10.0               |                         |                |
| <b>Melting point/freezing point</b>  | No information available |                         |                |
| <b>Boiling point / boiling range</b> | No information available |                         |                |
| <b>Flash point</b>                   | No information available |                         |                |
| <b>Evaporation rate</b>              | No information available |                         |                |
| <b>Flammability (solid, gas)</b>     | No information available |                         |                |
| <b>Flammability Limit in Air</b>     |                          |                         |                |
| <b>Upper flammability limit:</b>     | No information available |                         |                |
| <b>Lower flammability limit:</b>     | No information available |                         |                |

|                                     |                          |
|-------------------------------------|--------------------------|
| <b>Vapor pressure</b>               | No information available |
| <b>Vapor density</b>                | No information available |
| <b>Specific Gravity</b>             | 4.0 - 5.0                |
| <b>Water solubility</b>             | No information available |
| <b>Solubility in other solvents</b> | No information available |
| <b>Partition coefficient</b>        | No information available |
| <b>Autoignition temperature</b>     | No information available |
| <b>Decomposition temperature</b>    | No information available |
| <b>Kinematic viscosity</b>          | No information available |
| <b>Dynamic viscosity</b>            | No information available |
| <b>Explosive properties</b>         | No information available |
| <b>Oxidizing properties</b>         | No information available |

#### **Other Information**

|                         |                          |
|-------------------------|--------------------------|
| <b>Softening point</b>  | No information available |
| <b>Molecular weight</b> | No information available |
| <b>VOC Content (%)</b>  | No information available |
| <b>Density</b>          | No information available |
| <b>Bulk density</b>     | No information available |

## **10. STABILITY AND REACTIVITY**

#### **Reactivity**

No data available

#### **Chemical stability**

Stable under normal conditions.

#### **Possibility of Hazardous Reactions**

None under normal processing.

|                                 |                               |
|---------------------------------|-------------------------------|
| <b>Hazardous polymerization</b> | None under normal processing. |
|---------------------------------|-------------------------------|

#### **Conditions to avoid**

Extremes of temperature and direct sunlight.

#### **Incompatible materials**

Strong oxidizing agents. Strong acids.

#### **Hazardous Decomposition Products**

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

|                            |                                                                                                                                         |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Information</b> | Product does not present an acute toxicity hazard based on known or supplied information.<br>Dried product might be harmful if inhaled. |
| <b>Inhalation</b>          | May cause irritation of respiratory tract.                                                                                              |
| <b>Eye contact</b>         | May cause mechanical irritation (abrasion).                                                                                             |
| <b>Skin Contact</b>        | May cause mechanical irritation (abrasion).                                                                                             |
| <b>Ingestion</b>           | No known effect based on information supplied.                                                                                          |

| Chemical Name                  | Oral LD50             | Dermal LD50         | Inhalation LC50 |
|--------------------------------|-----------------------|---------------------|-----------------|
| Titanium Dioxide<br>13463-67-7 | > 10000 mg/kg ( Rat ) | -                   | -               |
| Red Iron Oxide<br>1309-37-1    | > 10000 mg/kg ( Rat ) | -                   | -               |
| Carbon Black<br>1333-86-4      | > 15400 mg/kg ( Rat ) | > 3 g/kg ( Rabbit ) | -               |
| Black Iron Oxide<br>1317-61-9  | > 10000 mg/kg ( Rat ) | -                   | -               |

### 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.  
**Germ cell mutagenicity** No information available.

## Carcinogenicity

This product might contain up to 100% Titanium Dioxide. In 2006, the International Agency for Research on Cancer (IARC) evaluated TiO<sub>2</sub> as “possibly carcinogenic to humans” (Group 2B) based primarily on studies in rats. Inhalation exposures to TiO<sub>2</sub> in rats can result in lung effects and lung tumors. However, it is generally recognized that the rat is uniquely sensitive to the effects of “lung overload” which is not observed in other species including humans (Ref. 6). These facts are supported by the results from four large epidemiology studies involving more than 20,000 workers in the titanium dioxide manufacturing industry in North America and Europe which indicate no association with an increased risk of cancer or with any other adverse lung effects (Ref. 1,2,3,4,5,7). These studies did not specifically differentiate between the ultrafine and pigmentary TiO<sub>2</sub>.

References: 1. Boffetta P, Gaborieau V, Nadon L, Parent M-E, Weiderpass E, Siemiatycki J. (2001). Exposure to titanium dioxide and risk of lung cancer in a population-based study from Montreal. *Scand. J. Work Environ. Health* 27:227-232. 2. Boffetta P., Soutar A., Cherrie J., Granath F., Andersen A., Anttila A., Blettner M., Gaborieau V., Klug S., Langard S., Luce D., Merletti F., Miller B., Mirabelli D., Pukkala E., Adami H-O., and Weiderpass E. (2004). Mortality among workers employed in the titanium dioxide industry in Europe. *Cancer Causes and Control* 15(7):697-706. 3. Chen J, and Fayerweather W. (1988). Epidemiologic study of workers exposed to titanium dioxide. *J. Occup. Med.* 30(12):937-42. 4. Fryzek J, Chadda B, Marano D, White K, Schweitzer S, McLaughlin J, and Blot W. (2003). A cohort mortality study among titanium dioxide manufacturing workers in the United States. *J. Occup. Environ. Med.* 45(4): 400-09. 5. Garabrant D.H., Fine L.J., Oliver C., Bernstein L., and Peters J.M. (1987). Abnormalities of pulmonary function and pleural disease among titanium metal production workers. *Scand. J. Work Environ. Health* 13(1):47-51. 6. Levy L. S. (1994). Squamous Lung Lesions Associated with Chronic Exposure by Inhalation of Rats to p-Aramid Fibrils (Fine Fiber Dust) and to Titanium Dioxide: Findings of a Pathology Workshop. In: Mohr, U (Ed), *Toxic and carcinogenic effects of solid particles in the respiratory tract*, ILSI Press, 473-478. 7. Ramanakumar AV, Parent ME, Latreille B, Siemiatycki J. (2008). Risk of lung cancer following exposure to carbon black, titanium dioxide and talc: results from two case-control studies in Montreal. *Int J Cancer* 122:183-9.

This product might contain up to 10% Carbon Black. Not a hazardous substance or preparation according to the Global Harmonized System (GHS). In 1995 IARC concluded, “There is inadequate evidence in humans for the carcinogenicity of carbon black.” Based on rat inhalation studies IARC concluded that there is “sufficient evidence in experimental animals for the carcinogenicity of carbon black”. IARC’s overall evaluation was that “Carbon black is possibly carcinogenic to humans (Group 2B).” This conclusion was based on IARC’s guidelines, which require such a classification if one animal species exhibits carcinogenicity in two or more studies. Lung tumors in rats are the result of exposure under “lung overload” conditions. The development of lung tumors in rats is specific to this species. Mouse and hamster showed no carcinogenicity in similar studies. In 2006 IARC re-affirmed its 1995 classification of carbon black as Group 2B (possibly carcinogenic to humans). Overall, as a result of the detailed epidemiological investigations, no causative link between carbon black exposure and cancer risk in humans has been demonstrated. This view is consistent with the IARC evaluation in 2006. Furthermore, several epidemiological and clinical studies of workers in the carbon black production industries show no evidence of clinically significant adverse health effects due to occupational exposure to carbon black. No dose response relationship was observed in workers exposed to carbon black. Applying the rules of the Globally Harmonized System of Classification and Labeling (GHS, e.g. UN ‘Purple Book’, EU CLP Regulation) the results of repeated dose toxicity and carcinogenicity studies in animals do not lead to classification of Carbon Black for Specific Target Organ Toxicity (Repeated exposure) and carcinogenicity. UN GHS says, that even if adverse effects are seen in animal studies or in-vitro tests, no classification is needed if the mechanism or mode of action is not relevant to humans. The European CLP Regulation also mentions, that no classification is indicated if the mechanism is not relevant to humans. Furthermore, the CLP guidance on classification and labeling states, that “lung overload” in animals is listed under mechanism not relevant to humans. This product might contain up to 65% Cobalt Blue. Cobalt has not been shown to be carcinogenic to humans. The National Toxicology Program (NTP) does not recognize cobalt as an animal or human carcinogen. This product is a cobalt containing compound. The International Agency for Research on Cancer (IARC). This product may contain up to 50% Chromium Oxide (III). This material may contain approximately 100 ppm hexavalent Chromium. Chromium hexavalent (VI) compounds are known to be human carcinogens based on sufficient evidence of carcinogenicity from studies in humans.

| Chemical Name                  | ACGIH | IARC     | NTP | OSHA |
|--------------------------------|-------|----------|-----|------|
| Titanium Dioxide<br>13463-67-7 | -     | Group 2B | -   | X    |

|                             |    |          |   |   |
|-----------------------------|----|----------|---|---|
| Red Iron Oxide<br>1309-37-1 | -  | Group 3  | - | - |
| Cobalt Blue<br>1345-16-0    | A3 | Group 2B | - | X |
| Chrome Oxide<br>1308-38-9   | -  | Group 3  | - | - |
| Carbon Black<br>1333-86-4   | A3 | Group 2B | - | X |

**Reproductive toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** 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) 20403 mg/kg  
 ATEmix (dermal) 16216 mg/kg

## **12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

| Chemical Name             | Algae/aquatic plants | Fish | Crustacea                             |
|---------------------------|----------------------|------|---------------------------------------|
| Carbon Black<br>1333-86-4 | -                    | -    | 5600: 24 h Daphnia magna mg/L<br>EC50 |

### **Persistence and degradability**

No information available.

### **Bioaccumulation**

No information available.

### **Other adverse effects**

No known significant effects or critical hazards.

## **13. DISPOSAL CONSIDERATIONS**

### **Waste treatment methods**

#### **Disposal of wastes**

This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261). Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### **Contaminated packaging**

Do not reuse container.

| Chemical Name             | California Hazardous Waste Status |
|---------------------------|-----------------------------------|
| Cobalt Blue<br>1345-16-0  | Toxic                             |
| Chrome Oxide<br>1308-38-9 | Toxic<br>Corrosive<br>Ignitable   |

## 14. TRANSPORT INFORMATION

|                   |               |
|-------------------|---------------|
| <u>DOT</u>        | Not regulated |
| <u>TDG</u>        | Not regulated |
| <u>MEX</u>        | Not regulated |
| <u>ICAO (air)</u> | Not regulated |
| <u>IATA</u>       | Not regulated |
| <u>IMDG</u>       | Not regulated |
| <u>RID</u>        | Not regulated |
| <u>ADR</u>        | Not regulated |
| <u>ADN</u>        | Not regulated |

## 15. REGULATORY INFORMATION

### International Inventories

|                      |                 |
|----------------------|-----------------|
| <b>TSCA</b>          | Complies        |
| <b>DSL/NDSL</b>      | Complies        |
| <b>EINECS/ELINCS</b> | Complies        |
| <b>ENCS</b>          | Does not comply |
| <b>IECSC</b>         | Complies        |
| <b>KECL</b>          | Complies        |
| <b>PICCS</b>         | Complies        |
| <b>AICS</b>          | Complies        |

### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name            | SARA 313 - Threshold Values % |
|--------------------------|-------------------------------|
| Cobalt Blue - 1345-16-0  | 0.1                           |
| Chrome Oxide - 1308-38-9 | 1.0                           |

#### SARA 311/312 Hazard Categories

|                                          |    |
|------------------------------------------|----|
| <b>Acute health hazard</b>               | No |
| <b>Chronic Health Hazard</b>             | No |
| <b>Fire hazard</b>                       | No |
| <b>Sudden release of pressure hazard</b> | No |
| <b>Reactive Hazard</b>                   | No |

#### CWA (Clean Water Act)

This product does not contain any substances regulated as 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 |
|---------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Chrome Oxide<br>1308-38-9 | -                           | 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 releases of this material

### US State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals

| Chemical Name                 | California Proposition 65 |
|-------------------------------|---------------------------|
| Titanium Dioxide - 13463-67-7 | Carcinogen                |
| Carbon Black - 1333-86-4      | Carcinogen                |

#### U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---------------|------------|---------------|--------------|
|---------------|------------|---------------|--------------|

|                                |   |   |   |
|--------------------------------|---|---|---|
| Titanium Dioxide<br>13463-67-7 | X | X | X |
| Red Iron Oxide<br>1309-37-1    | X | X | X |
| Cobalt Blue<br>1345-16-0       | X | - | X |
| Chrome Oxide<br>1308-38-9      | X | X | X |
| Carbon Black<br>1333-86-4      | X | X | X |

#### 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

**NFPA**                      **Reactivity** 0                      **Physical and Chemical** **HMIS**                      **Health hazards** 1  
**Flammability** 0                      **Physical hazards** 0                      **Properties** -                      **Personal protection** X

**Issue Date**                      11-Aug-2015  
**Revision Date**                      11-Aug-2015  
**Revision Note**  
 No information available

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**