

## 1. Identification

**Product identifier** 888-9907 COLORTREND®B LAMP BLACK

**Other means of identification**

**SAP Specification** 000000139627

**Recommended use** Aqueous colorant

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer**

**Company** Chromaflo Technologies Corporation  
2600 Michigan Avenue  
Ashtabula, OH 44005-0816  
USA

**Telephone** 440-997-5137

**Telefax** 440-992-3613

**NA: EMERGENCY NUMBER** 866-519-4752

**GLOBAL: EMERGENCY NUMBER** (+1) 760-476-3962

**CANADA: CANUTEC EMERGENCY NUMBER** 613-996-6666

**Product Regulatory Services** ehs\_americas@chromaflo.com

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Carcinogenicity Category 1B

**OSHA defined hazards** Not classified.

**Label elements**



**Signal word** Danger

**Hazard statement** May cause cancer.

**Precautionary statement**

**Prevention** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection.

**Response** If exposed or concerned: Get medical advice/attention.

**Storage** Store locked up.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** If product is in liquid or paste form, physical or health hazards listed related to dust are not considered significant. However, product may contain substances that could be potential hazards if caused to become airborne due to grinding, sanding or other abrasive processes.

## 3. Composition/information on ingredients

**Mixtures**

| Chemical name               | Common name and synonyms | CAS number | %       |
|-----------------------------|--------------------------|------------|---------|
| ethanediol; ethylene glycol |                          | 107-21-1   | 20 - 40 |

| Chemical name   | Common name and synonyms | CAS number | %        |
|---|--------------------------|------------|----------|
| Talc, Magnesium silicate hydrate                        |                          | 14807-96-6 | 20 - 40  |
| Carbon black, amorphous                                 |                          | 1333-86-4  | 2.5 - 10 |
| Diethylene glycol                                       |                          | 111-46-6   | 2.5 - 10 |
| Kaolin  |                          | 1332-58-7  | 2.5 - 10 |
| Petroleum distillates, solvent dewaxed heavy paraffinic |                          | 64742-65-0 | 0.1 - 1  |
| Silica, crystalline (quartz)                            |                          | 14808-60-7 | 0.1 - 1  |
| Titanium dioxide  |                          | 13463-67-7 | 0.1 - 1  |
| Other components below reportable levels                |                          |            | 20 - 40  |

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

#### 4. First-aid measures

|   |   |
|---|---|
| <b>Inhalation</b>   | Move to fresh air. Call a physician if symptoms develop or persist.   |
| <b>Skin contact</b>   | Wash off with soap and water. Get medical attention if irritation develops and persists.  |
| <b>Eye contact</b>  | Rinse with water. Get medical attention if irritation develops and persists.  |
| <b>Ingestion</b>  | Rinse mouth. Get medical attention if symptoms occur.   |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Direct contact with eyes may cause temporary irritation.  |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.  |
| <b>General information</b>  | IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. |

#### 5. Fire-fighting measures

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                                  | Powder. Alcohol resistant foam. Carbon dioxide (CO <sub>2</sub> ).                            |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.                        |
| <b>Specific hazards arising from the chemical</b>                    | During fire, gases hazardous to health may be formed.   |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| <b>Fire fighting equipment/instructions</b>                          | Move containers from fire area if you can do so without risk.                                 |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials.    |
| <b>General fire hazards</b>  | No unusual fire or explosion hazards noted.   |

#### 6. Accidental release measures

|  |  |
|--|--|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.   |
| <b>Methods and materials for containment and cleaning up</b>               | Large Spills: Stop the flow of material, if this is without risk. Use water spray to reduce vapors or divert vapor cloud drift. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.<br><br>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. |
| <b>Environmental precautions</b>   | Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.   |

## 7. Handling and storage

### Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

### Conditions for safe storage, including any incompatibilities

Store locked up. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components   | Type | Value   | Form                                |
|--|------|---|-------------------------------------|
| Carbon black, amorphous (CAS 1333-86-4)                                  | PEL  | 3.5 mg/m <sup>3</sup>                                     |                                     |
| Kaolin (CAS 1332-58-7)   | PEL  | 5 mg/m <sup>3</sup><br>15 mg/m <sup>3</sup>               | Respirable fraction.<br>Total dust. |
| Petroleum distillates, solvent dewaxed heavy paraffinic (CAS 64742-65-0) | PEL  | 5 mg/m <sup>3</sup>                                       | Mist.                               |
| Titanium dioxide (CAS 13463-67-7)  | PEL  | 2000 mg/m <sup>3</sup><br>500 ppm<br>15 mg/m <sup>3</sup> | Total dust.                         |

#### US. OSHA Table Z-3 (29 CFR 1910.1000)

| Components  | Type | Value   | Form                                      |
|---|------|---|---|
| Silica, crystalline (quartz) (CAS 14808-60-7)     | TWA  | 0.3 mg/m <sup>3</sup>                                       | Total dust.                               |
| Talc, Magnesium silicate hydrate (CAS 14807-96-6) | TWA  | 0.1 mg/m <sup>3</sup><br>2.4 mppcf<br>0.3 mg/m <sup>3</sup> | Respirable.<br>Respirable.<br>Total dust. |
|   |      | 0.1 mg/m <sup>3</sup><br>20 mppcf<br>2.4 mppcf              | Respirable.<br>Respirable.                |

#### US. ACGIH Threshold Limit Values

| Components   | Type    | Value                   | Form                 |
|--|---------|-------------------------|----------------------|
| Carbon black, amorphous (CAS 1333-86-4)                                  | TWA     | 3 mg/m <sup>3</sup>     | Inhalable fraction.  |
| ethanediol; ethylene glycol (CAS 107-21-1)                               | Ceiling | 100 mg/m <sup>3</sup>   | Aerosol.             |
| Kaolin (CAS 1332-58-7)   | TWA     | 2 mg/m <sup>3</sup>     | Respirable fraction. |
| Petroleum distillates, solvent dewaxed heavy paraffinic (CAS 64742-65-0) | TWA     | 5 mg/m <sup>3</sup>     | Inhalable fraction.  |
| Silica, crystalline (quartz) (CAS 14808-60-7)                            | TWA     | 0.025 mg/m <sup>3</sup> | Respirable fraction. |
| Talc, Magnesium silicate hydrate (CAS 14807-96-6)                        | TWA     | 2 mg/m <sup>3</sup>     | Respirable fraction. |
| Titanium dioxide (CAS 13463-67-7)  | TWA     | 10 mg/m <sup>3</sup>    |                      |

#### US. NIOSH: Pocket Guide to Chemical Hazards

| Components   | Type    | Value                                       | Form                 |
|--|---------|---|----------------------|
| Carbon black, amorphous (CAS 1333-86-4)                                  | TWA     | 0.1 mg/m <sup>3</sup>                       |                      |
| Kaolin (CAS 1332-58-7)   | TWA     | 5 mg/m <sup>3</sup><br>10 mg/m <sup>3</sup> | Respirable.<br>Total |
| Petroleum distillates, solvent dewaxed heavy paraffinic (CAS 64742-65-0) | Ceiling | 1800 mg/m <sup>3</sup>                      |                      |
|  | STEL    | 10 mg/m <sup>3</sup>                        | Mist.                |

**US. NIOSH: Pocket Guide to Chemical Hazards**

| <b>Components</b>  | <b>Type</b>   | <b>Value</b> | <b>Form</b>      |
|--|---|--------------|------------------|
| Silica, crystalline (quartz)<br>(CAS 14808-60-7)                             | TWA   | 0.05 mg/m3   | Respirable dust. |
| Talc, Magnesium silicate<br>hydrate (CAS 14807-96-6)                         | TWA   | 2 mg/m3      | Respirable.      |
| <b>Biological limit values</b>   | No biological exposure limits noted for the ingredient(s).  |              |                  |
| <b>Exposure guidelines</b>   | Occupational Exposure Limits are not relevant to the current physical form of the product.  |              |                  |
| <b>Appropriate engineering controls</b>                                      | Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. |              |                  |
| <b>Individual protection measures, such as personal protective equipment</b> |   |              |                  |
| <b>Eye/face protection</b>   | Chemical respirator with organic vapor cartridge and full facepiece.  |              |                  |
| <b>Skin protection</b>   |   |              |                  |
| <b>Hand protection</b>   | Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.   |              |                  |
| <b>Other</b>   | Use of an impervious apron is recommended.  |              |                  |
| <b>Respiratory protection</b>  | Use a NIOSH/MSHA approved respirator if there is a risk of exposure to vapor/mist at levels exceeding the exposure limits.  |              |                  |
| <b>Thermal hazards</b>   | Wear appropriate thermal protective clothing, when necessary.   |              |                  |
| <b>General hygiene considerations</b>  | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.   |              |                  |

**9. Physical and chemical properties****Appearance**

|   |                               |
|---|-------------------------------|
| <b>Physical state</b>                               | Liquid.                       |
| <b>Form</b>   | Liquid. Paste.                |
| <b>Color</b>  | Black                         |
| <b>Odor</b>   | Not available.                |
| <b>Odor threshold</b>                               | Not available.                |
| <b>pH</b>   | Not available.                |
| <b>Melting point/freezing point</b>                 | Not available.                |
| <b>Initial boiling point and boiling range</b>      | Not available.                |
| <b>Flash point</b>                                  | 237.8 °F (114.3 °C) estimated |
| <b>Evaporation rate</b>                             | Not available.                |
| <b>Flammability (solid, gas)</b>                    | Not applicable.               |
| <b>Upper/lower flammability or explosive limits</b> |                               |
| <b>Flammability limit - lower (%)</b>               | Not available.                |
| <b>Flammability limit - upper (%)</b>               | Not available.                |
| <b>Explosive limit - lower (%)</b>                  | Not available.                |
| <b>Explosive limit - upper (%)</b>                  | Not available.                |
| <b>Vapor pressure</b>                               | Not available.                |
| <b>Vapor density</b>                                | Not available.                |
| <b>Relative density</b>                             | 1.4                           |
| <b>Solubility(ies)</b>                              |                               |
| <b>Solubility (water)</b>                           | Not available.                |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.                |
| <b>Auto-ignition temperature</b>                    | Not available.                |

**Decomposition temperature** Not available.  
**Viscosity** 80 - 95 KU

## 10. Stability and reactivity

**Reactivity** The product is stable and non-reactive under normal conditions of use, storage and transport.  
**Chemical stability** Material is stable under normal conditions.  
**Possibility of hazardous reactions** No dangerous reaction known under conditions of normal use.  
**Conditions to avoid** Contact with incompatible materials.  
**Incompatible materials** Strong oxidizing agents.  
**Hazardous decomposition products** No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

**Inhalation** No adverse effects due to inhalation are expected.  
**Skin contact** No adverse effects due to skin contact are expected.  
**Eye contact** Direct contact with eyes may cause temporary irritation.  
**Ingestion** Expected to be a low ingestion hazard.

**Symptoms related to the physical, chemical and toxicological characteristics** Direct contact with eyes may cause temporary irritation.

### Information on toxicological effects

#### Acute toxicity

| Product                          | Species    | Test Results          |
|----------------------------------|------------|-----------------------|
| 888-9907 COLORTREND®B LAMP BLACK |            |                       |
| <b>Acute</b>                     |            |                       |
| <b>Dermal</b>                    |            |                       |
| LD50                             | Rabbit     | 34752 mg/kg estimated |
|                                  | Rat        | 56689 mg/kg estimated |
| <b>Oral</b>                      |            |                       |
| LD50                             | Cat        | 6455 mg/kg estimated  |
|                                  | Dog        | 20999 mg/kg estimated |
|                                  | Guinea pig | 36 g/kg estimated     |
|                                  | Mouse      | 50 g/kg estimated     |
|                                  | Rabbit     | 472 g/kg estimated    |
|                                  | Rat        | 26 g/kg estimated     |

| Components                                 | Species    | Test Results |
|--|------------|--------------|
| Carbon black, amorphous (CAS 1333-86-4)    |            |              |
| <b>Acute</b>                               |            |              |
| <b>Oral</b>                                |            |              |
| LD50                                       | Rat        | > 8000 mg/kg |
| ethanediol; ethylene glycol (CAS 107-21-1) |            |              |
| <b>Acute</b>                               |            |              |
| <b>Dermal</b>                              |            |              |
| LD50                                       | Rabbit     | 9530 mg/kg   |
| <b>Oral</b>                                |            |              |
| LD50                                       | Cat        | 1650 mg/kg   |
|  | Dog        | 5500 mg/kg   |
|  | Guinea pig | 8.2 g/kg     |
|  | Mouse      | 14.6 g/kg    |

| Components             | Species | Test Results |
|------------------------|---------|--------------|
|                        | Rat     | 5.89 g/kg    |
| Kaolin (CAS 1332-58-7) |         |              |
| <b>Acute</b>           |         |              |
| <b>Dermal</b>          |         |              |
| LD50                   | Rat     | > 5000 mg/kg |
| <b>Oral</b>            |         |              |
| LD50                   | Rat     | > 5000 mg/kg |

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation** Direct contact with eyes may cause temporary irritation.

**Respiratory or skin sensitization**

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** May cause cancer.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Carbon black, amorphous (CAS 1333-86-4) 2B Possibly carcinogenic to humans.

Silica, crystalline (quartz) (CAS 14808-60-7) 1 Carcinogenic to humans.

Titanium dioxide (CAS 13463-67-7) 2B Possibly carcinogenic to humans.

**US. National Toxicology Program (NTP) Report on Carcinogens**

Petroleum distillates, solvent dewaxed heavy paraffinic (CAS 64742-65-0) Known To Be Human Carcinogen.

Silica, crystalline (quartz) (CAS 14808-60-7) Known To Be Human Carcinogen.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not an aspiration hazard.

**Chronic effects** Prolonged exposure may cause chronic effects.

**12. Ecological information**

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

| Product                                    | Species | Test Results   |
|--|---------|--|
| 888-9907 COLORTREND®B LAMP BLACK           |         |  |
| <b>Aquatic</b>                             |         |  |
| Fish                                       | LC50    | Fish 40783.3789 mg/l, 96 hours estimated                 |
| Components                                 | Species | Test Results   |
| ethanediol; ethylene glycol (CAS 107-21-1) |         |  |
| <b>Aquatic</b>                             |         |  |
| Fish                                       | LC50    | Fathead minnow (Pimephales promelas) 8050 mg/l, 96 hours |
| Titanium dioxide (CAS 13463-67-7)          |         |  |
| <b>Aquatic</b>                             |         |  |
| Crustacea                                  | EC50    | Water flea (Daphnia magna) > 1000 mg/l, 48 hours         |
| Fish                                       | LC50    | Mummichog (Fundulus heteroclitus) > 1000 mg/l, 96 hours  |

\* Estimates for product may be based on additional component data not shown.

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential**

**Partition coefficient n-octanol / water (log Kow)**  
ethanediol; ethylene glycol -1.36

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

**13. Disposal considerations**

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**14. Transport information**

**DOT**  
Not regulated as dangerous goods.

**IATA**  
Not regulated as dangerous goods.

**IMDG**  
Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

**15. Regulatory information**

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
All components are on the U.S. EPA TSCA Inventory List.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**  
Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**  
ethanediol; ethylene glycol (CAS 107-21-1) Listed.

**SARA 304 Emergency release notification**  
Not regulated.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**  
Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - No  
Delayed Hazard - Yes  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**  
Not listed.

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**

| Chemical name               | CAS number | % by wt. |
|-----------------------------|------------|----------|
| ethanediol; ethylene glycol | 107-21-1   | 20 - 40  |

## Other federal regulations

### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

ethanediol; ethylene glycol (CAS 107-21-1)

### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

## US state regulations

### US - New Jersey RTK - Substances: Listed substance

Carbon black, amorphous (CAS 1333-86-4)

ethanediol; ethylene glycol (CAS 107-21-1)

Kaolin (CAS 1332-58-7)

Silica, crystalline (quartz) (CAS 14808-60-7)

Talc, Magnesium silicate hydrate (CAS 14807-96-6)

Titanium dioxide (CAS 13463-67-7)

### US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

### US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Carbon black, amorphous (CAS 1333-86-4)

ethanediol; ethylene glycol (CAS 107-21-1)

Petroleum distillates, solvent dewaxed heavy paraffinic (CAS 64742-65-0)

Silica, crystalline (quartz) (CAS 14808-60-7)

Talc, Magnesium silicate hydrate (CAS 14807-96-6)

Titanium dioxide (CAS 13463-67-7)

### US. Massachusetts RTK - Substance List

Carbon black, amorphous (CAS 1333-86-4)

ethanediol; ethylene glycol (CAS 107-21-1)

Kaolin (CAS 1332-58-7)

Petroleum distillates, solvent dewaxed heavy paraffinic (CAS 64742-65-0)

Silica, crystalline (quartz) (CAS 14808-60-7)

Talc, Magnesium silicate hydrate (CAS 14807-96-6)

Titanium dioxide (CAS 13463-67-7)

### US. New Jersey Worker and Community Right-to-Know Act

ethanediol; ethylene glycol (CAS 107-21-1)

### US. Pennsylvania RTK - Hazardous Substances

Carbon black, amorphous (CAS 1333-86-4)

ethanediol; ethylene glycol (CAS 107-21-1)

Kaolin (CAS 1332-58-7)

Silica, crystalline (quartz) (CAS 14808-60-7)

Talc, Magnesium silicate hydrate (CAS 14807-96-6)

Titanium dioxide (CAS 13463-67-7)

### US. Pennsylvania Worker and Community Right-to-Know Law

Carbon black, amorphous (CAS 1333-86-4)

ethanediol; ethylene glycol (CAS 107-21-1)

Kaolin (CAS 1332-58-7)

Silica, crystalline (quartz) (CAS 14808-60-7)

Talc, Magnesium silicate hydrate (CAS 14807-96-6)

Titanium dioxide (CAS 13463-67-7)

### US. Rhode Island RTK

ethanediol; ethylene glycol (CAS 107-21-1)

### US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

### US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Carbon black, amorphous (CAS 1333-86-4)

Listed: February 21, 2003

Silica, crystalline (quartz) (CAS 14808-60-7)

Listed: October 1, 1988

Titanium dioxide (CAS 13463-67-7)

Listed: September 2, 2011

## International Inventories

| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada                      | Domestic Substances List (DSL)   | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | No                     |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | No                     |
| Korea                       | Existing Chemicals List (ECL)  | No                     |
| New Zealand                 | New Zealand Inventory  | No                     |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | No                     |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |
| Taiwan                      | Taiwan Toxic Chemicals Substances Control Act                          | No                     |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

**Issue date** 01-15-2016

**Version #** 01

### Disclaimer

The information contained herein is based on data believed to be reliable and the manufacturer disclaims any liability incurred from the use or reliance upon the same. 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. This safety information is not a license to use this material as claimed by any patents of third parties. The user alone must finally determine whether a contemplated use of this material will infringe any such patents, and for obtaining any required licenses.

### Revision Information

Product and Company Identification: Product and Company Identification  
Exposure controls/personal protection: Appropriate engineering controls  
Physical & Chemical Properties: Multiple Properties