



# Material Safety Data Sheet

Issuing Date 09-May-2011

Revision Date

Revision Number 0

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** FREDERICTON REGULAR W/B YELLOW

**Product Code(s)** T-44-5059

**Recommended Use** Traffic paint

**Product Technology** W/B

### Supplier Address

Ennis Paint Inc.  
5910 North Central Expressway  
Suite 1050  
Dallas TX 75206  
T: 800.331.8118  
800.331.8118 (For Technical Inquiries)

**Chemical Emergency Phone Number** Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### **DANGER!**

### **Emergency Overview**

Harmful if swallowed, inhaled, or absorbed through skin  
May adversely affect central nervous system, kidneys, blood and reproductive system.  
Cancer hazard

**WARNING!** This product contains a chemical known in the State of California to cause birth defects or other reproductive harm.

**WARNING!** This product contains a chemical known in the State of California to cause cancer.

**Appearance** Yellow

**Physical State** Emulsion.

**Odor** Slight, Ammonia

### Potential Health Effects

#### **Acute Toxicity**

##### **Eyes**

May cause slight irritation.

##### **Skin**

Harmful if absorbed through skin. May cause irritation.

##### **Inhalation**

Harmful by inhalation. May cause ulceration and perforation of the nasal septum.

##### **Ingestion**

Harmful if swallowed.

#### **Chronic Effects**

Lead compounds may be absorbed by ingestion, by inhalation and through the skin. Lead may damage kidney function, the blood forming system and the reproductive system. Inorganic lead compounds can cause developmental damage. Very slowly eliminated from the body, so poisoning can be cumulative. Crystalline silica (quartz) has been classified by the International Agency for Research on Cancer (IARC) as a known human carcinogen (Group 1). Titanium dioxide has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B) by inhalation. Chromium and chromium compounds are currently classified by IARC and National Toxicology Program as known carcinogens.

|                                      |                                                                                                                                                                          |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Main Symptoms</b>                 | Lead poisoning is characterized by a metallic taste in the mouth, loss of appetite indigestion, nausea, vomiting, constipation, sleep disturbances and overall weakness. |
| <b>Aggravated Medical Conditions</b> | Pre-existing eye disorders. Skin disorders. Respiratory disorders. Central nervous system. Blood disorders. Reproductive system.                                         |
| <b>Environmental Hazard</b>          | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. See Section 12 for additional Ecological Information.                        |

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name    | CAS-No      | Weight % |
|------------------|-------------|----------|
| Lead chromate    | 7758-97-6   | 7-13     |
| Titanium dioxide | 13463-67-7  | 5-10     |
| Methyl alcohol   | 67-56-1     | 3-7      |
| Toluene          | 108-88-3    | 3-7      |
| Lead carboxylate | Proprietary | 0.1-1    |
| Ethyl benzene    | 100-41-4    | <0.1     |
| Benzene          | 71-43-2     | <0.1     |

### 4. FIRST AID MEASURES

|                                   |                                                                                                                                                              |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Advice</b>             | Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.                                                            |
| <b>Eye Contact</b>                | In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes. Call a physician immediately.                  |
| <b>Skin Contact</b>               | Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. Consult a physician.                 |
| <b>Inhalation</b>                 | Move victim to fresh air. Apply artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.                              |
| <b>Ingestion</b>                  | Call a physician or Poison Control Center immediately. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink plenty of water. |
| <b>Notes to Physician</b>         | Treat symptomatically.                                                                                                                                       |
| <b>Protection of First-aiders</b> | Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.             |

### 5. FIRE-FIGHTING MEASURES

|                                                              |                                                                                                                                        |
|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Flammable Properties</b>                                  | Not flammable.                                                                                                                         |
| <b>Flash Point</b>                                           | > 201°F / 93.8°C                                                                                                                       |
| <b>Suitable Extinguishing Media</b>                          | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                                |
| <b>Explosion Data</b>                                        |                                                                                                                                        |
| <b>Sensitivity to Mechanical Impact</b>                      | None                                                                                                                                   |
| <b>Sensitivity to Static Discharge</b>                       | None                                                                                                                                   |
| <b>Protective Equipment and Precautions for Firefighters</b> | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. |

|             |                         |                       |                          |                                        |
|-------------|-------------------------|-----------------------|--------------------------|----------------------------------------|
| <b>NFPA</b> | <b>Health Hazard 2</b>  | <b>Flammability 1</b> | <b>Instability 0</b>     | <b>Physical and Chemical Hazards -</b> |
| <b>HMIS</b> | <b>Health Hazard 2*</b> | <b>Flammability 1</b> | <b>Physical Hazard 0</b> | <b>Personal Protection -</b>           |

## 6. ACCIDENTAL RELEASE MEASURES

|                                  |                                                                                                                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal Precautions</b>      | Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Use personal protective equipment. Avoid contact with skin, eyes and clothing.                                         |
| <b>Environmental Precautions</b> | Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Should not be released into the environment.                                                        |
| <b>Methods for Containment</b>   | Prevent further leakage or spillage if safe to do so. Dike far ahead of liquid spill for later disposal.                                                                                            |
| <b>Methods for Cleaning Up</b>   | Use personal protective equipment. Soak up with inert absorbent material. Take up mechanically and collect in suitable container for disposal. Keep in suitable and closed containers for disposal. |

## 7. HANDLING AND STORAGE

|                 |                                                                                                                                                                                                                    |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Handling</b> | Ensure adequate ventilation. Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. |
| <b>Storage</b>  | Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled containers. Keep out of the reach of children.                                                                          |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

| Chemical Name                  | ACGIH TLV                                                         | OSHA PEL                                                                                                                                                                                                                                                                                                                                                                                                                          | NIOSH IDLH                                                                                                                                |
|--------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Quartz<br>14808-60-7           | TWA: 0.025 mg/m <sup>3</sup> respirable fraction                  | TWA: 0.1 mg/m <sup>3</sup> (vacated)                                                                                                                                                                                                                                                                                                                                                                                              | IDLH: 50 mg/m <sup>3</sup> respirable dust<br>TWA: 0.05 mg/m <sup>3</sup> respirable dust                                                 |
| Lead chromate<br>7758-97-6     | TWA: 0.012 mg/m <sup>3</sup> Cr<br>TWA: 0.05 mg/m <sup>3</sup> Pb | TWA: 5 µg/m <sup>3</sup><br>TWA: 50 µg/m <sup>3</sup> Pb<br>Action Level: 2.5 µg/m <sup>3</sup> Cr<br>Action Level: 30 µg/m <sup>3</sup> Pb Poison, See<br>29 CFR 1910.1025<br>(vacated) Ceiling: 0.1 mg/m <sup>3</sup><br>Ceiling: 0.1 mg/m <sup>3</sup> CrO <sub>3</sub> applies to any<br>operations or sectors for which the<br>Hexavalent Chromium standard [29 CFR<br>1910.1026] is stayed or is otherwise not<br>in effect | IDLH: 100 mg/m <sup>3</sup> Pb<br>IDLH: 15 mg/m <sup>3</sup> Cr(VI)<br>TWA: 0.050 mg/m <sup>3</sup> Pb<br>TWA: 0.001 mg/m <sup>3</sup> Cr |
| Toluene<br>108-88-3            | TWA: 20 ppm                                                       | TWA: 200 ppm<br>(vacated) TWA: 100 ppm<br>(vacated) TWA: 375 mg/m <sup>3</sup><br>(vacated) STEL: 150 ppm<br>(vacated) STEL: 560 mg/m <sup>3</sup><br>Ceiling: 300 ppm                                                                                                                                                                                                                                                            | IDLH: 500 ppm<br>TWA: 100 ppm<br>TWA: 375 mg/m <sup>3</sup><br>STEL: 150 ppm<br>STEL: 560 mg/m <sup>3</sup>                               |
| 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>                                                                                                              |
| Methyl alcohol<br>67-56-1      | STEL = 250 ppm<br>TWA: 200 ppm<br>S*                              | TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup><br>(vacated) TWA: 200 ppm<br>(vacated) TWA: 260 mg/m <sup>3</sup><br>(vacated) STEL: 250 ppm<br>(vacated) STEL: 325 mg/m <sup>3</sup><br>(vacated) S*                                                                                                                                                                                                                                  | IDLH: 6000 ppm<br>TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup><br>STEL: 325 mg/m <sup>3</sup><br>STEL: 250 ppm                              |

### Engineering Measures

Showers  
Eyewash stations  
Ventilation systems

### Personal Protective Equipment

**Eye/Face Protection**  
**Skin and Body Protection**  
**Respiratory Protection**

No special protective equipment required.  
No special protective equipment required.  
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

### Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                   |                           |                                    |                           |
|-----------------------------------|---------------------------|------------------------------------|---------------------------|
| <b>Appearance</b>                 | Yellow.                   | <b>Odor</b>                        | Slight, Ammonia.          |
| <b>Odor Threshold</b>             | No information available  | <b>Physical State</b>              | Emulsion                  |
| <b>pH</b>                         | No information available. |                                    |                           |
| <b>Flash Point</b>                | > 201°F / 93.8°C          | <b>Autoignition Temperature</b>    | No information available. |
| <b>Decomposition Temperature</b>  | No information available. | <b>Boiling Point/Boiling Range</b> | No information available  |
| <b>Melting Point/Range</b>        | No information available  |                                    |                           |
| <b>Flammability Limits in Air</b> | No information available. | <b>Explosion Limits</b>            | No information available. |
| <b>Solubility</b>                 | No information available. | <b>Evaporation Rate</b>            | No information available  |
| <b>Vapor Pressure</b>             | No data available         | <b>Vapor Density</b>               | No data available         |

## 10. STABILITY AND REACTIVITY

|                                         |                                              |
|-----------------------------------------|----------------------------------------------|
| <b>Stability</b>                        | Stable under recommended storage conditions. |
| <b>Incompatible Products</b>            | None known based on information supplied.    |
| <b>Conditions to Avoid</b>              | None known based on information supplied.    |
| <b>Hazardous Decomposition Products</b> | Carbon oxides. Nitrogen oxides (NOx).        |
| <b>Hazardous Polymerization</b>         | Hazardous polymerization does not occur.     |

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

|                            |                                                               |
|----------------------------|---------------------------------------------------------------|
| <b>Product Information</b> | Harmful by inhalation, in contact with skin and if swallowed. |
|----------------------------|---------------------------------------------------------------|

| Chemical Name    | LD50 Oral             | LD50 Dermal                                  | LC50 Inhalation                                |
|------------------|-----------------------|----------------------------------------------|------------------------------------------------|
| Quartz           | 500 mg/kg ( Rat )     |                                              |                                                |
| Ethyl benzene    | = 3500 mg/kg ( Rat )  | = 15354 mg/kg ( Rabbit )                     | = 17.2 mg/L ( Rat ) 4 h                        |
| Toluene          | = 636 mg/kg ( Rat )   | 12124 mg/kg ( Rat )<br>8390 mg/kg ( Rabbit ) | 26700 ppm ( Rat ) 1 h                          |
| Benzene          | 1800 mg/kg ( Rat )    | -                                            | 13050 - 14380 ppm ( Rat ) 4 h                  |
| Titanium dioxide | > 10000 mg/kg ( Rat ) |                                              | > 6820 mg/m <sup>3</sup>                       |
| Methyl alcohol   | 5628 mg/kg ( Rat )    | 15800 mg/kg ( Rabbit )                       | 83.2 mg/L ( Rat ) 4 h<br>64000 ppm ( Rat ) 4 h |

### Chronic Toxicity

#### **Chronic Toxicity**

Lead compounds may be absorbed by ingestion, by inhalation and through the skin. Lead may damage kidney function, the blood forming system and the reproductive system. Inorganic lead compounds can cause developmental damage. Very slowly eliminated from the body, so poisoning can be cumulative. Crystalline silica (quartz) has been classified by the International Agency for Research on Cancer (IARC) as a known human carcinogen (Group 1). Titanium dioxide has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B) by inhalation. Chromium and chromium compounds are currently classified by IARC and National Toxicology Program as known carcinogens.

| Chemical Name    | ACGIH    | IARC                | NTP                    | OSHA |
|------------------|----------|---------------------|------------------------|------|
| Lead chromate    | A3<br>A2 | Group 2A<br>Group 1 | Known                  | X    |
| Titanium dioxide |          | Group 2B            |                        | X    |
| Toluene          |          | Group 3             | -                      | -    |
| Lead carboxylate |          | Group 3             | Reasonably Anticipated | X    |
| Ethyl benzene    | A3       | Group 2B            |                        | X    |
| Benzene          | A1       | Group 1             | Known                  | X    |

|                             |                                                                               |
|-----------------------------|-------------------------------------------------------------------------------|
| <b>Target Organ Effects</b> | Respiratory system. Central nervous system (CNS). Blood. Reproductive system. |
|-----------------------------|-------------------------------------------------------------------------------|

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The environmental impact of this product has not been fully investigated.

| Chemical Name  | Toxicity to Algae                                                                                                                                                                                                                                               | Toxicity to Fish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Toxicity to Microorganisms                                                      | Daphnia Magna (Water Flea)                                                                   |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Methyl alcohol | -                                                                                                                                                                                                                                                               | LC50 96 h: 13500 - 17600 mg/L flow-through (Lepomis macrochirus)<br>LC50 96 h: 18 - 20 mL/L static (Oncorhynchus mykiss)<br>LC50 96 h: 19500 - 20700 mg/L flow-through (Oncorhynchus mykiss)<br>LC50 96 h: = 28200 mg/L flow-through (Pimephales promelas)<br>LC50 96 h: > 100 mg/L static (Pimephales promelas)                                                                                                                                                                                                     | EC50 = 39000 mg/L 25 min<br>EC50 = 40000 mg/L 15 min<br>EC50 = 43000 mg/L 5 min | -                                                                                            |
| Toluene        | EC50: >433 mg/L Pseudokirchneriella subcapitata 96 h<br>EC50: 12.5 mg/L Pseudokirchneriella subcapitata 72 h static                                                                                                                                             | LC50: 15.22-19.05 mg/L Pimephales promelas 96 h flow-through<br>LC50: 12.6 mg/L Pimephales promelas 96 h static<br>LC50: 5.89-7.81 mg/L Oncorhynchus mykiss 96 h flow-through<br>LC50: 14.1-17.16 mg/L Oncorhynchus mykiss 96 h static<br>LC50: 5.8 mg/L Oncorhynchus mykiss 96 h semi-static<br>LC50: 11.0-15.0 mg/L Lepomis macrochirus 96 h static<br>LC50: 54 mg/L Oryzias latipes 96 h static<br>LC50: 28.2 mg/L Poecilia reticulata 96 h semi-static<br>LC50: 50.87-70.34 mg/L Poecilia reticulata 96 h static | EC50 = 19.7 mg/L 30 min                                                         | EC50 48 h: 5.46 - 9.83 mg/L Static (Daphnia magna)<br>EC50 48 h: = 11.5 mg/L (Daphnia magna) |
| Ethyl benzene  | EC50 96 h: 1.7 - 7.6 mg/L static (Pseudokirchneriella subcapitata)<br>EC50 72 h: 2.6 - 11.3 mg/L static (Pseudokirchneriella subcapitata)<br>EC50 72 h: = 4.6 mg/L (Pseudokirchneriella subcapitata)<br>EC50 96 h: > 438 mg/L (Pseudokirchneriella subcapitata) | LC50 96 h: 11.0-18.0 mg/L static (Oncorhynchus mykiss)<br>LC50 96 h: 7.55-11 mg/L flow-through (Pimephales promelas)<br>LC50 96 h: 9.1-15.6 mg/L static (Pimephales promelas)<br>LC50 96 h: = 32 mg/L static (Lepomis macrochirus)<br>LC50 96 h: = 4.2 mg/L semi-static (Oncorhynchus mykiss)<br>LC50 96 h: = 9.6 mg/L static (Poecilia reticulata)                                                                                                                                                                  | EC50 = 9.68 mg/L 30 min<br>EC50 = 96 mg/L 24 h                                  | EC50 48 h: 1.8 - 2.4 mg/L (Daphnia magna)                                                    |
| Benzene        | EC50 72 h: = 29 mg/L (Pseudokirchneriella subcapitata)                                                                                                                                                                                                          | LC50 96 h: 10.7-14.7 mg/L flow-through (Pimephales promelas)<br>LC50 96 h: 22330-41160 µg/L static (Pimephales promelas)<br>LC50 96 h: 70000-142000 µg/L static (Lepomis macrochirus)<br>LC50 96 h: = 22.49 mg/L static (Lepomis macrochirus)<br>LC50 96 h: = 28.6 mg/L static (Poecilia reticulata)<br>LC50 96 h: = 5.3 mg/L flow-through (Oncorhynchus mykiss)                                                                                                                                                     |                                                                                 | EC50 48 h: 8.76 - 15.6 mg/L Static (Daphnia magna)<br>EC50 48 h: = 10 mg/L (Daphnia magna)   |

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| Chemical Name  | Log Pow |
|----------------|---------|
| Methyl alcohol | -0.77   |
| Toluene        | 2.65    |
| Ethyl benzene  | 3.118   |
| Benzene        | 1.83    |

### 13. DISPOSAL CONSIDERATIONS

#### Waste Disposal Methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

#### Contaminated Packaging

Do not re-use empty containers.

| Chemical Name            | RCRA              | RCRA - Basis for Listing                                                                                                                          | RCRA - D Series Wastes      | RCRA - U Series Wastes |
|--------------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------------------|
| Methyl alcohol - 67-56-1 |                   | Included in waste stream: F039                                                                                                                    |                             | U154                   |
| Toluene - 108-88-3       | U220              | Included in waste streams: F005, F024, F025, F039, K015, K036, K037, K149, K151                                                                   |                             | U220                   |
| Ethyl benzene - 100-41-4 |                   | Included in waste stream: F039                                                                                                                    |                             |                        |
| Benzene - 71-43-2        | waste number U019 | Included in waste streams: F005, F024, F025, F037, F038, F039, K085, K104, K105, K141, K142, K143, K144, K145, K147, K151, K159, K169, K171, K172 | = 0.5 mg/L regulatory level | U019                   |

| Chemical Name      | RCRA - Halogenated Organic Compounds | RCRA - P Series Wastes | RCRA - F Series Wastes                                                                                                                                                                                                                                                                                                                                                                                                                | RCRA - K Series Wastes |
|--------------------|--------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Toluene - 108-88-3 |                                      |                        | Toxic waste<br>waste number F025<br>Waste description:<br>Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution. |                        |

| Chemical Name    | California Hazardous Waste      |
|------------------|---------------------------------|
| Lead chromate    | Toxic<br>Corrosive<br>Ignitable |
| Methyl alcohol   | Toxic<br>Ignitable              |
| Toluene          | Toxic<br>Ignitable              |
| Lead carboxylate | Toxic                           |
| Ethyl benzene    | Toxic<br>Ignitable              |
| Benzene          | Toxic<br>Ignitable              |



## 14. TRANSPORT INFORMATION

|                 |                |
|-----------------|----------------|
| <b>DOT</b>      | Not regulated  |
| <b>TDG</b>      | Not regulated  |
| <b>MEX</b>      | Not regulated  |
| <b>ICAO</b>     | Not regulated  |
| <b>IATA</b>     | Not regulated  |
| <b>IMDG/IMO</b> | Not regulated. |

## 15. REGULATORY INFORMATION

### International Inventories

|             |                                                      |
|-------------|------------------------------------------------------|
| <b>TSCA</b> | All components are listed on the TSCA Inventory.     |
| <b>DSL</b>  | All components are listed either on the DSL or NDSL. |

### Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

### U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

| Chemical Name    | CAS-No    | Weight % | SARA 313 - Threshold Values % |
|------------------|-----------|----------|-------------------------------|
| Lead chromate    | 7758-97-6 | 7-13     | 0.1                           |
| Methyl alcohol   | 67-56-1   | 5-10     | 1.0                           |
| Toluene          | 108-88-3  | 3-7      | 1.0                           |
| Lead carboxylate |           | 0.1-1    | 1.0                           |

### SARA 311/312 Hazard Categories

|                                          |     |
|------------------------------------------|-----|
| <b>Acute Health Hazard</b>               | Yes |
| <b>Chronic Health Hazard</b>             | Yes |
| <b>Fire Hazard</b>                       | No  |
| <b>Sudden Release of Pressure Hazard</b> | No  |
| <b>Reactive Hazard</b>                   | No  |

### Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Lead chromate |                             | X                      |                           |                            |
| Toluene       | 1000 lb                     | X                      | X                         | X                          |

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

| Chemical Name  | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ                                           |
|----------------|--------------------------|------------------------------------|----------------------------------------------|
| Toluene        | 1000 lb                  |                                    | RQ 1000 lb final RQ<br>RQ 454 kg final RQ    |
| Methyl alcohol | 5000 lb                  |                                    | RQ= 2270 kg final RQ<br>RQ= 5000 lb final RQ |

**U.S. State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals:

| Chemical Name    | CAS-No     | California Prop. 65                                                     |
|------------------|------------|-------------------------------------------------------------------------|
| Quartz           | 14808-60-7 | Carcinogen                                                              |
| Lead chromate    | 7758-97-6  | Carcinogen<br>Developmental<br>Female Reproductive<br>Male Reproductive |
| Ethyl benzene    | 100-41-4   | Carcinogen                                                              |
| Toluene          | 108-88-3   | Developmental                                                           |
| Benzene          | 71-43-2    | Carcinogen<br>Developmental<br>Male Reproductive                        |
| Lead carboxylate |            | Carcinogen                                                              |

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

| Chemical Name    | New Jersey | Massachusetts | Pennsylvania | Illinois | Rhode Island |
|------------------|------------|---------------|--------------|----------|--------------|
| Quartz           | X          | X             | X            | -        | X            |
| Lead chromate    | X          | X             | X            | X        | X            |
| Methyl alcohol   | X          | X             | X            | X        | X            |
| Ethyl benzene    | X          | X             | X            | X        | X            |
| Toluene          | X          | X             | X            | X        | X            |
| Benzene          | X          | X             | X            | X        | X            |
| Titanium dioxide | X          | X             | X            | -        | X            |

**International Regulations**

| Chemical Name    | Carcinogen Status | Exposure Limits                                                                                                                                         |
|------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quartz           |                   | Mexico: TWA= 0.1 mg/m <sup>3</sup>                                                                                                                      |
| Lead chromate    | A1                | Mexico: TWA= 0.01 mg/m <sup>3</sup><br>Mexico: TWA= 0.05 mg/m <sup>3</sup><br>Mexico: TWA= 0.15 mg/m <sup>3</sup><br>Mexico: TWA= 0.5 mg/m <sup>3</sup> |
| Toluene          |                   | Mexico: TWA= 50 ppm<br>Mexico: TWA= 188 mg/m <sup>3</sup>                                                                                               |
| Titanium dioxide |                   | Mexico: TWA= 10 mg/m <sup>3</sup><br>Mexico: STEL= 20 mg/m <sup>3</sup>                                                                                 |
| Methyl alcohol   |                   | Mexico: TWA= 200 ppm<br>Mexico: TWA= 260 mg/m <sup>3</sup><br>Mexico: STEL= 250 ppm<br>Mexico: STEL= 310 mg/m <sup>3</sup>                              |

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**WHMIS Hazard Class**

D1B Toxic materials

D2A Very toxic materials

D2B Toxic materials



| Chemical Name  | NPRI |
|----------------|------|
| Lead chromate  | X    |
| Toluene        | X    |
| Methyl alcohol | X    |

**Legend**

NPRI - National Pollutant Release Inventory

**16. OTHER INFORMATION****Prepared By**

Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501  
09-May-2011

**Issuing Date****Revision Date****Revision Note**

Initial Release.

**General Disclaimer**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication and it does not purport to be all inclusive and shall be used only as a guide. We urge each customer or recipient of this MSDS to study it carefully to become aware of and understand the potential hazards associated with the product. The information given is designed only as a guide 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 material or in any process, unless specified in the text. Any use of the product not in conformance with this MSDS or in combination with any other product or process is the responsibility of the user. Customary precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Remove all soiled and contaminated clothing immediately.

**End of Safety Data Sheet**