

**SECTION 1: Identification****1.1. Identification**

|              |                                    |
|--------------|------------------------------------|
| Product form | : Mixture                          |
| Product name | : PE SOLID COLORS LEADED - GENERIC |
| Product code | : CLREXXXX - SOLID COLOR LEADED    |

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

|                              |   |
|------------------------------|---|
| Use of the substance/mixture | : This product information is generic in nature, and all information including (Solids, Volatiles, VOC's etc.) does not necessarily represent the color being sprayed. If color specific SDS information is required please contact Endura. |
| Use of the substance/mixture | : This product contains a leaded pigment. Please note that this color can be reformulated with no leaded pigment when required.   |

**1.3. Details of the supplier of the safety data sheet**

Endura Manufacturing Co. Ltd  
12425 149 Street  
Edmonton, T5L 2J6 - Canada  
T 780-451-4242 - F 780-452-5079  
[info@endura.ca](mailto:info@endura.ca) - [www.endura.ca](http://www.endura.ca)

**1.4. Emergency telephone number**

|                  |   |
|------------------|---|
| Emergency number | : In the event of an emergency involving dangerous goods:<br>in Canada call CANUTEC at 613-996-6666 or *666 on a cellular phone.<br>in the US call CHEMTREC at 800-424-9300 (Account Name for US is Polyglass Coatings) |
|------------------|---|

**SECTION 2: Hazard(s) identification****2.1. Classification of the substance or mixture****GHS-US classification**

|              |  |
|--------------|--|
| Flam. Liq. 3 | H226 - Flammable liquid and vapour                                       |
| Carc. 1B     | H350 - May cause cancer  |
| STOT SE 3    | H336 - May cause drowsiness or dizziness                                 |
| STOT RE 2    | H373 - May cause damage to organs through prolonged or repeated exposure |

Full text of H-phrases: see section 16

**2.2. Label elements****GHS-US labeling**

Hazard pictograms (GHS-US)



Signal word (GHS-US)

: Danger

Hazard statements (GHS-US)

: H226 - Flammable liquid and vapor  
H336 - May cause drowsiness or dizziness  
H350 - May cause cancer  
H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS-US)

: P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
P233 - Keep container tightly closed  
P240 - Ground/bond container and receiving equipment  
P241 - Use explosion-proof electrical/ventilating/lighting equipment  
P242 - Use only non-sparking tools  
P243 - Take precautionary measures against static discharge  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray  
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray  
P271 - Use only outdoors or in a well-ventilated area  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing

# PE SOLID COLORS LEADED - GENERIC

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

P308+P313 - If exposed or concerned: Get medical advice/attention  
P312 - Call a poison center or a doctor if you feel unwell  
P314 - Get medical advice/attention if you feel unwell  
P370+P378 - In case of fire: Use dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2) to extinguish  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed  
P403+P235 - Store in a well-ventilated place. Keep cool  
P405 - Store locked up  
P501 - Dispose of contents/container in accordance with all local, regional, national and international regulations.

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

| Name                       | Product identifier  | %      | GHS-US classification   |
|----------------------------|---------------------|--------|---|
| lead sulfochromate yellow  | (CAS No) 1344-37-2  | 0 - 45 | Carc. 1B, H350<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                       |
| C.I. pigment red 104       | (CAS No) 12656-85-8 | 0 - 45 | Carc. 1B, H350<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                       |
| titanium(IV) oxide         | (CAS No) 13463-67-7 | 0 - 40 | Carc. 2, H351   |
| n-butyl acetate            | (CAS No) 123-86-4   | 0 - 35 | Flam. Liq. 3, H226<br>STOT SE 3, H336   |
| carbon black               | (CAS No) 1333-86-4  | 0 - 4  | Carc. 2, H351   |
| ethylbenzene               | (CAS No) 100-41-4   | 0 - 3  | Flam. Liq. 2, H225<br>Acute Tox. 4 (Inhalation:dust,mist),<br>H332<br>Carc. 2, H351<br>STOT RE 2, H373<br>Asp. Tox. 1, H304 |
| xylene, mixture of isomers | (CAS No) 1330-20-7  | 0 - 3  | Flam. Liq. 3, H226<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation:dust,mist),<br>H332<br>Skin Irrit. 2, H315    |

Full text of H-phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention.  
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off all contaminated clothing immediately.  
First-aid measures after eye contact : Rinse eyes with water as a precaution.  
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : May cause drowsiness or dizziness.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapor.

# PE SOLID COLORS LEADED - GENERIC

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Reactivity : Flammable liquid and vapor.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : NO open flames, NO sparks, and NO smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe dust/fume/gas/mist/vapors/spray.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8 Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 8 : Exposure-controls/personal protection".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Do not breathe dust/fume/gas/mist/vapors/spray.

Hygiene measures : Separate working clothes from town clothes. Launder separately. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| titanium(IV) oxide (13463-67-7) |                                     |  |
|---------------------------------|-------------------------------------|--|
| ACGIH                           | ACGIH TWA (mg/m <sup>3</sup> )      | 10 mg/m <sup>3</sup> (Titanium dioxide; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)                |
| ACGIH                           | Remark (ACGIH)                      | LRT irr; A3  |
| OSHA                            | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 15 mg/m <sup>3</sup>   |
| carbon black (1333-86-4)        |                                     |  |
| ACGIH                           | ACGIH TWA (mg/m <sup>3</sup> )      | 3 mg/m <sup>3</sup> (Carbon black; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Inhalable fraction) |
| ACGIH                           | Remark (ACGIH)                      | Bronchitis   |
| OSHA                            | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 3.5 mg/m <sup>3</sup>  |

# PE SOLID COLORS LEADED - GENERIC

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| n-butyl acetate (123-86-4) |                                     |   |
|----------------------------|-------------------------------------|---|
| ACGIH                      | ACGIH TWA (ppm)                     | 150 ppm (n-Butyl acetate; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value) |
| ACGIH                      | ACGIH STEL (ppm)                    | 200 ppm (n-Butyl acetate; USA; Short time value; TLV - Adopted Value)                         |
| ACGIH                      | Remark (ACGIH)                      | Eye & URT irr   |
| OSHA                       | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 710 mg/m <sup>3</sup>   |
| OSHA                       | OSHA PEL (TWA) (ppm)                | 150 ppm   |

| ethylbenzene (100-41-4) |                                     |  |
|-------------------------|-------------------------------------|--|
| ACGIH                   | ACGIH TWA (ppm)                     | 20 ppm (Ethyl benzene; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value) |
| ACGIH                   | Remark (ACGIH)                      | URT irr; kidney dam (nephropathy)  |
| OSHA                    | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 435 mg/m <sup>3</sup>  |
| OSHA                    | OSHA PEL (TWA) (ppm)                | 100 ppm  |

| xylene, mixture of isomers (1330-20-7) |                                      |                           |
|--|--------------------------------------|---------------------------|
| ACGIH                                  | Remark (ACGIH)                       | URT & eye irr; CNS impair |
| OSHA                                   | OSHA PEL (TWA) (mg/m <sup>3</sup> )  | 435 mg/m <sup>3</sup>     |
| OSHA                                   | OSHA PEL (TWA) (ppm)                 | 100 ppm                   |
| OSHA                                   | OSHA PEL (STEL) (mg/m <sup>3</sup> ) | 655 mg/m <sup>3</sup>     |

### 8.2. Exposure controls

|                                  |  |
|----------------------------------|--|
| Appropriate engineering controls | : Ensure good ventilation of the work station. |
| Hand protection                  | : Protective gloves.                           |
| Eye protection                   | : Safety glasses.                              |
| Skin and body protection         | : Wear suitable protective clothing.           |
| Respiratory protection           | : Wear respiratory protection.                 |
| Environmental exposure controls  | : Avoid release to the environment.            |

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |   |
|---|---|
| Physical state                              | : Liquid  |
| Color                                       | : Mixture contains one or more component(s) which have the following colour(s):<br>Yellow Orange Pure substance: white Unpurified: coloured Dark grey to black Colourless<br>Colourless to light yellow White   |
| Odor  | : There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure.<br>Mixture contains one or more component(s) which have the following odour(s):<br>Odourless Fruity odour Petroleum-like odour Sweet odour Aromatic odour Pleasant odour No data available on odour |
| Odor threshold                              | : No data available   |
| pH  | : No data available   |
| Melting point                               | : Not applicable  |
| Freezing point                              | : No data available   |
| Boiling point                               | : 122 - 290 °C<br>251.6 - 554 °F  |
| Flash point                                 | : 26 °C<br>78.8 °F  |
| Relative evaporation rate (butyl acetate=1) | : No data available   |
| Flammability (solid, gas)                   | : No data available   |
| Explosion limits                            | : 1 - 12 vol %  |
| Explosive properties                        | : No data available   |
| Oxidizing properties                        | : No data available   |
| Vapor pressure                              | : No data available   |

# PE SOLID COLORS LEADED - GENERIC

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

|                                 |   |
|---------------------------------|---|
| Relative density                | : No data available   |
| Relative vapor density at 20 °C | : No data available   |
| Specific gravity / density      | : 1 - 1.8 g/cm <sup>3</sup>   |
| Solubility                      | : Water: Solubility in water of component(s) of the mixture :<br>• lead sulfochromate yellow: < 0.00001 g/100ml • C.I. pigment red 104: insoluble •<br>titanium(IV) oxide: 0.15 g/100ml • carbon black: < 0.01 g/100ml • n-butyl acetate: 0.53<br>g/100ml (20 °C) • ethylbenzene: 0.02 g/100ml • xylene, mixture of isomers: < 0.02 g/100ml •<br>dichlorodimethylsilane, reaction products with silica: insoluble |
| Log Pow                         | : No data available   |
| Auto-ignition temperature       | : 407.2 °C<br>765 °F  |
| Decomposition temperature       | : No data available   |
| Viscosity                       | : No data available   |
| Viscosity, kinematic            | : No data available   |
| Viscosity, dynamic              | : No data available   |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Flammable liquid and vapor.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, No sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| lead sulfochromate yellow (1344-37-2) |   |
|---------------------------------------|---|
| LD50 oral rat                         | > 2000 mg/kg  |
| C.I. pigment red 104 (12656-85-8)     |   |
| LD50 oral rat                         | > 2000 mg/kg (Rat)  |
| titanium(IV) oxide (13463-67-7)       |   |
| LD50 oral rat                         | > 10000 mg/kg (Rat; OECD 425: Acute Oral Toxicity: Up-and-Down Procedure; Experimental value; > 5000 mg/kg bodyweight; Rat; Experimental value) |
| LD50 dermal rabbit                    | > 10000 mg/kg (Rabbit; Literature study)  |
| LC50 inhalation rat (mg/l)            | > 6.8 mg/l/4h (Rat; Experimental value)   |
| carbon black (1333-86-4)              |   |
| LD50 oral rat                         | > 8000 mg/kg (Rat; Equivalent or similar to OECD 401; Experimental value)   |
| LD50 dermal rabbit                    | > 3000 mg/kg (Rabbit)   |
| n-butyl acetate (123-86-4)            |   |
| LD50 oral rat                         | 10760 - 12789 mg/kg body weight (Rat; Equivalent or similar to OECD 423; Experimental value)  |
| LD50 dermal rabbit                    | 14112 mg/kg body weight (Rabbit; Experimental value; Equivalent or similar to OECD 402)   |
| ATE US (oral)                         | 10760.000 mg/kg body weight   |
| ATE US (dermal)                       | 14112.000 mg/kg body weight   |

# PE SOLID COLORS LEADED - GENERIC

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| <b>ethylbenzene (100-41-4)</b> |  |
|--------------------------------|--|
| LD50 oral rat                  | 3500 mg/kg (Rat; Other; Experimental value)  |
| LD50 dermal rabbit             | 15415 mg/kg (Rabbit; Literature study; Other; 15432 mg/kg; Rabbit; Experimental value) |
| LC50 inhalation rat (mg/l)     | 17.8 mg/l/4h (Rat; Literature study)   |
| LC50 inhalation rat (ppm)      | 4000 ppm/4h (Rat; Literature study)  |
| ATE US (oral)                  | 3500.000 mg/kg body weight   |
| ATE US (dermal)                | 15415.000 mg/kg body weight  |
| ATE US (gases)                 | 4000.000 ppmV/4h   |
| ATE US (vapors)                | 17.800 mg/l/4h   |
| ATE US (dust, mist)            | 1.500 mg/l/4h  |

| <b>xylene, mixture of isomers (1330-20-7)</b> |   |
|---|---|
| LD50 oral rat                                 | 3523 - 8600 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Literature study; 3523 mg/kg bodyweight; Rat; OECD 401: Acute Oral Toxicity; Experimental value; >4000 mg/kg bodyweight; Rat; OECD 401: Acute Oral Toxicity; Experimental value) |
| LD50 dermal rabbit                            | > 4200 mg/kg body weight (Rabbit; Experimental value; OECD 402: Acute Dermal Toxicity)  |
| LC50 inhalation rat (mg/l)                    | 29 mg/l/4h (Rat; Experimental value; 27.57 mg/l/4h; Rat; Experimental value)  |
| ATE US (oral)                                 | 3523.000 mg/kg body weight  |
| ATE US (dermal)                               | 1100.000 mg/kg body weight  |
| ATE US (vapors)                               | 29.000 mg/l/4h  |
| ATE US (dust, mist)                           | 1.500 mg/l/4h   |

|                                   |                     |
|-----------------------------------|---------------------|
| Skin corrosion/irritation         | : Not classified    |
| Serious eye damage/irritation     | : Not classified    |
| Respiratory or skin sensitization | : Not classified    |
| Germ cell mutagenicity            | : Not classified    |
| Carcinogenicity                   | : May cause cancer. |

| <b>C.I. pigment red 104 (12656-85-8)</b> |                      |
|--|----------------------|
| IARC group                               | 3 - Not Classifiable |

| <b>titanium(IV) oxide (13463-67-7)</b> |                                      |
|--|--------------------------------------|
| IARC group                             | 2B - Possibly Carcinogenic to Humans |

| <b>carbon black (1333-86-4)</b> |                                      |
|---------------------------------|--------------------------------------|
| IARC group                      | 2B - Possibly Carcinogenic to Humans |

| <b>ethylbenzene (100-41-4)</b> |                                      |
|--------------------------------|--------------------------------------|
| IARC group                     | 2B - Possibly Carcinogenic to Humans |

| <b>xylene, mixture of isomers (1330-20-7)</b> |                      |
|---|----------------------|
| IARC group                                    | 3 - Not Classifiable |

|  |                                      |
|--|--------------------------------------|
| Reproductive toxicity                            | : Not classified                     |
| Specific target organ toxicity (single exposure) | : May cause drowsiness or dizziness. |

Specific target organ toxicity (repeated exposure) : May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

| <b>titanium(IV) oxide (13463-67-7)</b> |   |
|--|---|
| EC50 Daphnia 1                         | > 100 mg/l (LC50; Equivalent or similar to OECD 202; 48 h; Daphnia magna; Static system; Fresh water; Weight of evidence) |
| Threshold limit algae 1                | 61 mg/l (EC50; Other; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)              |

# PE SOLID COLORS LEADED - GENERIC

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| <b>carbon black (1333-86-4)</b>   |  |
|-----------------------------------|--|
| LC50 fish 1                       | > 1000 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Brachydanio rerio)   |
| EC50 Daphnia 1                    | > 5600 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 24 h; Daphnia magna; Static system; Fresh water)                       |
| LC50 fish 2                       | 1000 mg/l (LC0; OECD 203: Fish, Acute Toxicity Test; 96 h; Brachydanio rerio; Semi-static system; Fresh water; Experimental value)         |
| Threshold limit algae 1           | > 10000 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Scenedesmus subspicatus; Static system; Fresh water; Experimental value) |
| <b>n-butyl acetate (123-86-4)</b> |  |
| LC50 fish 1                       | 18 mg/l (LC50; Equivalent or similar to OECD 203; 96 h; Pimephales promelas; Flow-through system; Fresh water; Experimental value)         |
| EC50 Daphnia 1                    | 44 mg/l (EC50; Other; 48 h; Daphnia sp.; Static system; Fresh water; Experimental value)   |
| Threshold limit algae 1           | 674.7 mg/l (EC50; Other; 72 h; Desmodesmus subspicatus; Static system; Fresh water; Experimental value)                                    |
| Threshold limit algae 2           | 200 mg/l (NOEC; Other; 72 h; Desmodesmus subspicatus; Static system; Fresh water; Experimental value)                                      |
| <b>ethylbenzene (100-41-4)</b>    |  |
| LC50 fish 2                       | 4.2 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Salmo gairdneri; Semi-static system; Fresh water; Experimental value)           |

### 12.2. Persistence and degradability

| <b>lead sulfochromate yellow (1344-37-2)</b> |  |
|--|--|
| Persistence and degradability                | Biodegradability: not applicable. Adsorbs into the soil.   |
| Biochemical oxygen demand (BOD)              | Not applicable   |
| Chemical oxygen demand (COD)                 | Not applicable   |
| ThOD   | Not applicable   |
| <b>C.I. pigment red 104 (12656-85-8)</b>     |  |
| Persistence and degradability                | Biodegradability: not applicable. Biodegradability in soil: not applicable. Adsorbs into the soil. |
| Biochemical oxygen demand (BOD)              | Not applicable   |
| Chemical oxygen demand (COD)                 | Not applicable   |
| ThOD   | Not applicable   |
| <b>titanium(IV) oxide (13463-67-7)</b>       |  |
| Persistence and degradability                | Biodegradability: not applicable. Low potential for mobility in soil.                              |
| Biochemical oxygen demand (BOD)              | Not applicable   |
| Chemical oxygen demand (COD)                 | Not applicable   |
| ThOD   | Not applicable   |
| <b>carbon black (1333-86-4)</b>              |  |
| Persistence and degradability                | Biodegradability: not applicable. Biodegradability in soil: not applicable. Adsorbs into the soil. |
| ThOD   | Not applicable   |
| <b>n-butyl acetate (123-86-4)</b>            |  |
| Persistence and degradability                | Readily biodegradable in water. Low potential for adsorption in soil. Photolysis in the air.       |
| ThOD   | 2.21 g O <sub>2</sub> /g substance   |
| BOD (% of ThOD)                              | 0.46   |
| <b>ethylbenzene (100-41-4)</b>               |  |
| Persistence and degradability                | Readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil.   |
| Biochemical oxygen demand (BOD)              | 1.44 g O <sub>2</sub> /g substance (20d.)  |
| Chemical oxygen demand (COD)                 | 2.1 g O <sub>2</sub> /g substance  |
| ThOD   | 3.17 g O <sub>2</sub> /g substance   |
| BOD (% of ThOD)                              | 45.4 (20 days)   |

# PE SOLID COLORS LEADED - GENERIC

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| <b>xylene, mixture of isomers (1330-20-7)</b> |   |
|---|---|
| Persistence and degradability                 | Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the substance available. Photolysis in the air. |

### 12.3. Bioaccumulative potential

| <b>lead sulfochromate yellow (1344-37-2)</b> |                                    |
|--|------------------------------------|
| Bioaccumulative potential                    | No bioaccumulation data available. |

| <b>titanium(IV) oxide (13463-67-7)</b> |                      |
|--|----------------------|
| Bioaccumulative potential              | Not bioaccumulative. |

| <b>carbon black (1333-86-4)</b> |                      |
|---------------------------------|----------------------|
| Bioaccumulative potential       | Not bioaccumulative. |

| <b>n-butyl acetate (123-86-4)</b> |  |
|-----------------------------------|--|
| BCF fish 1                        | 15.3 (BCF)   |
| Log Pow                           | 2.3 (Test data; OECD 117: Partition Coefficient (n-octanol/water), HPLC method; 25 °C) |
| Bioaccumulative potential         | Low potential for bioaccumulation (Log Kow < 4).                                       |

| <b>ethylbenzene (100-41-4)</b> |  |
|--------------------------------|--|
| BCF fish 1                     | 1 (BCF; Other; 6 weeks; Oncorhynchus kisutch; Flow-through system; Salt water; Literature study) |
| BCF fish 2                     | 15 - 79 (BCF)  |
| BCF other aquatic organisms 1  | 4.68 (BCF)   |
| Log Pow                        | 3.15 (Experimental value; 3.6; Experimental value; EU Method A.8: Partition Coefficient; 20 °C)  |
| Bioaccumulative potential      | Low potential for bioaccumulation (BCF < 500).   |

| <b>xylene, mixture of isomers (1330-20-7)</b> |  |
|---|--|
| BCF fish 2                                    | 7 - 26 (BCF; 8 weeks; Oncorhynchus mykiss; Flow-through system; Fresh water) |
| Log Pow                                       | 3.2 (Conclusion by analogy; 20 °C)   |
| Bioaccumulative potential                     | Low potential for bioaccumulation (BCF < 500).                               |

### 12.4. Mobility in soil

| <b>carbon black (1333-86-4)</b> |  |
|---------------------------------|--|
| Ecology - soil                  | Not toxic to plants. Not toxic to animals. |

| <b>n-butyl acetate (123-86-4)</b> |   |
|-----------------------------------|---|
| Surface tension                   | 0.0163 N/m (20 °C)                            |
| Log Koc                           | log Koc, SRC PCKOCWIN v2.0; 1.268/1.844; QSAR |

| <b>ethylbenzene (100-41-4)</b> |   |
|--------------------------------|---|
| Surface tension                | 0.029 N/m   |
| Log Koc                        | log Koc, PCKOCWIN v1.66; 2.71; Calculated value; Koc; PCKOCWIN v1.66; 517.8; Calculated value |

| <b>xylene, mixture of isomers (1330-20-7)</b> |   |
|---|---|
| Ecology - soil                                | May be harmful to plant growth, blooming and fruit formation. |

### 12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Additional information : Flammable vapors may accumulate in the container.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN1263 Paint (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base), 3, III



# PE SOLID COLORS LEADED - GENERIC

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

UN-No.(DOT) : UN1263  
Proper Shipping Name (DOT) : Paint  
including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base  
Transport hazard class(es) (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120  
Hazard labels (DOT) : 3 - Flammable liquid



Packing group (DOT) : III - Minor Danger  
DOT Packaging Non Bulk (49 CFR 173.xxx) : 173  
DOT Packaging Bulk (49 CFR 173.xxx) : 242  
DOT Special Provisions (49 CFR 172.102) : 149 - When transported as a limited quantity or a consumer commodity, the maximum net capacity specified in 173.150(b)(2) of this subchapter for inner packaging may be increased to 5 L (1.3 gallons).  
B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks.  
IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31H21). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.  
T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)  
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling =  $97 / 1 + a (tr - tf)$  Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.  
TP8 - A portable tank having a minimum test pressure of 1.5 bar (150 kPa) may be used when the flash point of the hazardous material transported is greater than 0 C (32 F).  
TP28 - A portable tank having a minimum test pressure of 2.65 bar (265 kPa) may be used provided the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.  
DOT Packaging Exceptions (49 CFR 173.xxx) : 150  
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 L  
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 L  
DOT Vessel Stowage Location : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.  
Other information : No supplementary information available.

### TDG

Transport document description : UN1263 PAINT (PAINT), 3, III  
UN-No. (TDG) : UN1263  
TDG Proper Shipping Name : PAINT  
TDG Primary Hazard Classes : 3 - Class 3 - Flammable Liquids  
Packing group : III - Minor Danger

# PE SOLID COLORS LEADED - GENERIC

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

**TDG Special Provisions** : 59 - Substances that are listed by name in Schedule 1 must not be transported under this shipping name. Substances transported under this shipping name may contain not more than 20 per cent nitrocellulose if the nitrocellulose contains not more than 12.6 per cent nitrogen (by dry mass).,83 - Section 5.12 of Part 5, Means of Containment, does not apply to these dangerous goods if a) the dangerous goods are included in Packing Group II or III; b) the dangerous goods are in quantities less than or equal to 5 L and are in a metal or plastic means of containment and the gross mass of the outer means of containment is less than or equal to 40 kg; d) the means of containment are designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no accidental release of the dangerous goods that could endanger public safety; e) the dangerous goods are transported in palletized loads, a pallet box or unit load device so that individual means of containment are placed or stacked and secured to the pallet by strapping, shrink- or stretch-wrapping or other suitable means; and f) when the dangerous goods are on a road vehicle or a railway vehicle that is to be transported by ship, the pallets, pallet boxes or unit load devices are secured inside the vehicle and the vehicle is closed.

**Explosive Limit and Limited Quantity Index** : 5

**Passenger Carrying Road Vehicle or Passenger** : 60

**Carrying Railway Vehicle Index**

### Transport by sea

**UN-No. (IMDG)** : 1263

**Proper Shipping Name (IMDG)** : PAINT

**Class (IMDG)** : 3 - Flammable liquids

**Packing group (IMDG)** : III - substances presenting low danger

### Air transport

No additional information available

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### lead sulfochromate yellow (1344-37-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### C.I. pigment red 104 (12656-85-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

|                          |  |
|--------------------------|--|
| EPA TSCA Regulatory Flag | S - S - indicates a substance that is identified in a proposed or final Significant New Uses Rule. |
|--------------------------|--|

#### titanium(IV) oxide (13463-67-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### carbon black (1333-86-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### n-butyl acetate (123-86-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Not listed on SARA Section 313 (Specific toxic chemical listings)

|  |         |
|--|---------|
| RQ (Reportable quantity, section 304 of EPA's List of Lists) | 5000 lb |
|--|---------|

#### ethylbenzene (100-41-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on SARA Section 313 (Specific toxic chemical listings)

|                          |  |
|--------------------------|--|
| EPA TSCA Regulatory Flag | T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA. |
|--------------------------|--|

|  |         |
|--|---------|
| RQ (Reportable quantity, section 304 of EPA's List of Lists) | 1000 lb |
|--|---------|

#### xylene, mixture of isomers (1330-20-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on SARA Section 313 (Specific toxic chemical listings)

|  |        |
|--|--------|
| RQ (Reportable quantity, section 304 of EPA's List of Lists) | 100 lb |
|--|--------|

# PE SOLID COLORS LEADED - GENERIC

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 15.2. International regulations

#### CANADA

No additional information available

#### EU-Regulations

No additional information available

### National regulations

|  |
|--|
| <b>titanium(IV) oxide (13463-67-7)</b>                       |
| Listed on IARC (International Agency for Research on Cancer) |
| <b>carbon black (1333-86-4)</b>                              |
| Listed on IARC (International Agency for Research on Cancer) |
| <b>ethylbenzene (100-41-4)</b>                               |
| Listed on IARC (International Agency for Research on Cancer) |

### 15.3. US State regulations

|  |   |   |   |                                   |
|--|---|---|---|-----------------------------------|
| <b>carbon black (1333-86-4)</b>                            |   |   |   |                                   |
| U.S. - California - Proposition 65 - Carcinogens List      | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significance risk level (NSRL) |
| Yes  | No  | No  | No  |                                   |
| <b>ethylbenzene (100-41-4)</b>                             |   |   |   |                                   |
| U.S. - California - Proposition 65 - Carcinogens List      | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significance risk level (NSRL) |
| Yes  | No  | No  | No  | 54                                |
| <b>C.I. pigment red 104 (12656-85-8)</b>                   |   |   |   |                                   |
| U.S. - New Jersey - Right to Know Hazardous Substance List |   |   |   |                                   |
| <b>titanium(IV) oxide (13463-67-7)</b>                     |   |   |   |                                   |
| U.S. - New Jersey - Right to Know Hazardous Substance List |   |   |   |                                   |
| <b>carbon black (1333-86-4)</b>                            |   |   |   |                                   |
| U.S. - New Jersey - Right to Know Hazardous Substance List |   |   |   |                                   |
| <b>n-butyl acetate (123-86-4)</b>                          |   |   |   |                                   |
| U.S. - Massachusetts - Right To Know List                  |   |   |   |                                   |
| U.S. - New Jersey - Right to Know Hazardous Substance List |   |   |   |                                   |
| U.S. - Pennsylvania - RTK (Right to Know) List             |   |   |   |                                   |
| <b>ethylbenzene (100-41-4)</b>                             |   |   |   |                                   |
| U.S. - Massachusetts - Right To Know List                  |   |   |   |                                   |
| U.S. - New Jersey - Right to Know Hazardous Substance List |   |   |   |                                   |
| U.S. - Pennsylvania - RTK (Right to Know) List             |   |   |   |                                   |
| <b>xylene, mixture of isomers (1330-20-7)</b>              |   |   |   |                                   |
| U.S. - Massachusetts - Right To Know List                  |   |   |   |                                   |
| U.S. - New Jersey - Right to Know Hazardous Substance List |   |   |   |                                   |
| U.S. - Pennsylvania - RTK (Right to Know) List             |   |   |   |                                   |

## SECTION 16: Other information

# PE SOLID COLORS LEADED - GENERIC

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### Full text of H-phrases:

|                                     |   |
|-------------------------------------|---|
| Acute Tox. 4 (Dermal)               | Acute toxicity (dermal) Category 4                                |
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4                  |
| Aquatic Acute 1                     | Hazardous to the aquatic environment - Acute Hazard Category 1    |
| Aquatic Chronic 1                   | Hazardous to the aquatic environment - Chronic Hazard Category 1  |
| Asp. Tox. 1                         | Aspiration hazard Category 1                                      |
| Carc. 1B                            | Carcinogenicity Category 1B                                       |
| Carc. 2                             | Carcinogenicity Category 2  |
| Flam. Liq. 2                        | Flammable liquids Category 2                                      |
| Flam. Liq. 3                        | Flammable liquids Category 3                                      |
| Skin Irrit. 2                       | Skin corrosion/irritation Category 2                              |
| STOT RE 2                           | Specific target organ toxicity (repeated exposure) Category 2     |
| STOT SE 3                           | Specific target organ toxicity (single exposure) Category 3       |
| H225                                | Highly flammable liquid and vapor                                 |
| H226                                | Flammable liquid and vapor  |
| H304                                | May be fatal if swallowed and enters airways                      |
| H312                                | Harmful in contact with skin                                      |
| H315                                | Causes skin irritation  |
| H332                                | Harmful if inhaled  |
| H336                                | May cause drowsiness or dizziness                                 |
| H350                                | May cause cancer  |
| H351                                | Suspected of causing cancer                                       |
| H373                                | May cause damage to organs through prolonged or repeated exposure |
| H400                                | Very toxic to aquatic life  |
| H410                                | Very toxic to aquatic life with long lasting effects              |

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