

# SAFETY DATA SHEET

## 1. Identification

**Material name:** TREMCO 830 RED FOX - 20 CTG  
**Material:** S0188933320

**Recommended use and restriction on use**

**Recommended use:** Sealant  
**Restrictions on use:** Not known.

**Manufacturer/Importer/Supplier/Distributor Information**

Tremco Canadian Sealants  
220 Wicksteed Ave  
Toronto ON M4H 1G7  
CA

|                                    |  |
|------------------------------------|--|
| <b>Contact person:</b>             | EH&S Department                              |
| <b>Telephone:</b>                  | 1-800-263-6046                               |
| <b>Emergency telephone number:</b> | 1-800-424-9300 (US); 1-613-996-6666 (Canada) |

## 2. Hazard(s) identification

**Hazard Classification**

**Health Hazards**

|                                   |             |
|-----------------------------------|-------------|
| Serious Eye Damage/Eye Irritation | Category 2B |
| Carcinogenicity                   | Category 2  |
| Toxic to reproduction             | Category 2  |

**Unknown toxicity - Health**

|  |         |
|--|---------|
| Acute toxicity, oral                     | 32.31 % |
| Acute toxicity, dermal                   | 33.34 % |
| Acute toxicity, inhalation, vapor        | 100 %   |
| Acute toxicity, inhalation, dust or mist | 99.62 % |

**Environmental Hazards**

|  |            |
|--|------------|
| Acute hazards to the aquatic environment | Category 2 |
|--|------------|

**Unknown toxicity - Environment**

|  |         |
|--|---------|
| Acute hazards to the aquatic environment   | 66.01 % |
| Chronic hazards to the aquatic environment | 100 %   |

**Label Elements**

**Hazard Symbol:**



|   |   |
|---|---|
| <b>Signal Word:</b>   | Warning   |
| <b>Hazard Statement:</b>  | Causes eye irritation.<br>Suspected of causing cancer.<br>Suspected of damaging fertility or the unborn child.<br>Toxic to aquatic life.  |
| <b>Precautionary Statement:</b>                                 |   |
| <b>Prevention:</b>  | Wash thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.  |
| <b>Response:</b>  | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If exposed or concerned: Get medical advice/attention. |
| <b>Storage:</b>   | Store locked up.  |
| <b>Disposal:</b>  | Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.  |
| <b>Other hazards which do not result in GHS classification:</b> | None.   |

|  |
|--|
| <b>3. Composition/information on ingredients</b> |
|--|

**Mixtures**

| Chemical Identity | CAS number | Content in percent (%)* |
|-------------------|------------|-------------------------|
| Xylene            | 1330-20-7  | 15 - 40%                |
| Ethylbenzene      | 100-41-4   | 5 - 10%                 |
| Toluene           | 108-88-3   | 0.1 - 1%                |
| Iron oxide        | 1309-37-1  | 0.1 - 1%                |

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

|                              |
|------------------------------|
| <b>4. First-aid measures</b> |
|------------------------------|

|                      |   |
|----------------------|---|
| <b>Ingestion:</b>    | Call a POISON CENTER/doctor/.../if you feel unwell. Rinse mouth.  |
| <b>Inhalation:</b>   | Move to fresh air.  |
| <b>Skin Contact:</b> | Wash skin thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention.  |
| <b>Eye contact:</b>  | Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention. |

**Most important symptoms/effects, acute and delayed**

**Symptoms:** May cause skin and eye irritation.

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

**Treatment:** Symptoms may be delayed.

**5. Fire-fighting measures**

**General Fire Hazards:** No unusual fire or explosion hazards noted.

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical:** During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters**

**Special fire fighting procedures:** No data available.

**Special protective equipment for fire-fighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** No data available.

**Methods and material for containment and cleaning up:** Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

**Notification Procedures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

**Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.

**7. Handling and storage**

**Precautions for safe handling:** Wash hands thoroughly after handling. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Avoid contact with eyes. Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level. Use mechanical ventilation in case of handling which causes formation of dust.

**Conditions for safe storage, including any incompatibilities:** Store locked up.

**8. Exposure controls/personal protection**

**Control Parameters**

**Occupational Exposure Limits**

| Chemical Identity | type   | Exposure Limit Values | Source  |
|-------------------|--------|-----------------------|---|
| Xylene            | STEL   | 150 ppm               | US. ACGIH Threshold Limit Values (2011)   |
|                   | TWA    | 100 ppm               | US. ACGIH Threshold Limit Values (2011)   |
|                   | STEL   | 150 ppm 655 mg/m3     | US. NIOSH: Pocket Guide to Chemical Hazards (2010)  |
|                   | REL    | 100 ppm 435 mg/m3     | US. NIOSH: Pocket Guide to Chemical Hazards (2010)  |
|                   | STEL   | 150 ppm 655 mg/m3     | US. NIOSH: Pocket Guide to Chemical Hazards (2010)  |
|                   | REL    | 100 ppm 435 mg/m3     | US. NIOSH: Pocket Guide to Chemical Hazards (2010)  |
|                   | STEL   | 150 ppm 655 mg/m3     | US. NIOSH: Pocket Guide to Chemical Hazards (2010)  |
|                   | REL    | 100 ppm 435 mg/m3     | US. NIOSH: Pocket Guide to Chemical Hazards (2010)  |
|                   | PEL    | 100 ppm 435 mg/m3     | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)               |
|                   | STEL   | 150 ppm 655 mg/m3     | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)  |
|                   | TWA    | 100 ppm 435 mg/m3     | US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)  |
|                   | TWA    | 100 ppm 435 mg/m3     | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)                    |
|                   | STEL   | 150 ppm 655 mg/m3     | US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)                    |
|                   | ST ESL | 350 µg/m3             | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (07 2011) |
|                   | ST ESL | 80 ppb                | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (07 2011) |
|                   | AN ESL | 42 ppb                | US. Texas. Effects Screening Levels (Texas Commission on                                  |

|                                   |              |                      |  |
|-----------------------------------|--------------|----------------------|--|
|                                   |              |                      | Environmental Quality) (07 2011)   |
|                                   | AN ESL       | 180 µg/m3            | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (07 2011)  |
|                                   | STEL         | 150 ppm<br>655 mg/m3 | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (08 2010) |
|                                   | Ceiling      | 300 ppm              | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (08 2010) |
|                                   | TWA<br>PEL   | 100 ppm<br>435 mg/m3 | US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (08 2010) |
| Ethylbenzene                      | TWA          | 20 ppm               | US. ACGIH Threshold Limit Values (2011)  |
|                                   | PEL          | 100 ppm<br>435 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)                |
| Toluene                           | TWA          | 20 ppm               | US. ACGIH Threshold Limit Values (2011)  |
|                                   | TWA          | 200 ppm              | US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)  |
|                                   | Ceiling      | 300 ppm              | US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)  |
|                                   | MAX.<br>CONC | 500 ppm              | US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)  |
| Iron oxide - Respirable fraction. | TWA          | 5 mg/m3              | US. ACGIH Threshold Limit Values (2011)  |
| Iron oxide - Fume.                | PEL          | 10 mg/m3             | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)                |

| Chemical name | type  | Exposure Limit Values | Source  |
|---------------|-------|-----------------------|---|
| Xylene        | TWA   | 100 ppm<br>434 mg/m3  | Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) (07 2009)   |
|               | STEL  | 150 ppm<br>651 mg/m3  | Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) (07 2009)   |
| Xylene        | STEL  | 150 ppm               | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
|               | TWA   | 100 ppm               | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Xylene        | TWAEV | 100 ppm               | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)  |
|               | STEL  | 150 ppm               | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical  |

|                                  |       |                      |   |
|----------------------------------|-------|----------------------|---|
|                                  |       |                      | Agents) (11 2010)   |
| Xylene                           | TWA   | 100 ppm<br>434 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)  |
|                                  | STEL  | 150 ppm<br>651 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)  |
| Aluminum silicates - Total dust. | TWAEV | 10 mg/m3             | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)  |
| Ethylbenzene                     | TWA   | 20 ppm               | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (09 2011) |
| Ethylbenzene                     | STEL  | 125 ppm              | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)  |
|                                  | TWAEV | 100 ppm              | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)  |
| Ethylbenzene                     | TWA   | 100 ppm<br>434 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)  |
|                                  | STEL  | 125 ppm<br>543 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)  |
| Toluene                          | TWA   | 20 ppm               | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Toluene                          | TWAEV | 20 ppm               | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)  |
| Toluene                          | TWA   | 50 ppm<br>188 mg/m3  | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)  |

**Biological Limit Values**

| Chemical Identity  | Exposure Limit Values          | Source              |
|--|--------------------------------|---------------------|
| Xylene (Methylhippuric acids: Sampling time: End of shift.)                                | 1.5 g/g (Creatinine in urine)  | ACGIH BEI (03 2013) |
| Ethylbenzene (Sum of mandelic acid and phenylglyoxylic acid: Sampling time: End of shift.) | 0.15 g/g (Creatinine in urine) | ACGIH BEI (02 2014) |

|   |                                |                     |
|---|--------------------------------|---------------------|
| Toluene (o-Cresol, with hydrolysis: Sampling time: End of shift.)   | 0.3 mg/g (Creatinine in urine) | ACGIH BEI (03 2013) |
| Toluene (toluene: Sampling time: Prior to last shift of work week.) | 0.02 mg/l (Blood)              | ACGIH BEI (03 2013) |
| Toluene (toluene: Sampling time: End of shift.)                     | 0.03 mg/l (Urine)              | ACGIH BEI (03 2013) |

**Appropriate Engineering Controls**

Mechanical ventilation or local exhaust ventilation may be required. Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of dust.

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

**General information:** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.

**Eye/face protection:** Wear goggles/face shield.

**Skin Protection**

**Hand Protection:** Use suitable protective gloves if risk of skin contact.

**Other:** No data available.

**Respiratory Protection:** In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

**Hygiene measures:** Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

**9. Physical and chemical properties**

**Appearance**

**Physical state:** solid

**Form:** Paste

**Color:** Red

**Odor:** Strong petroleum/solvent

**Odor threshold:** No data available.

**pH:** No data available.

**Melting point/freezing point:** No data available.

**Initial boiling point and boiling range:** No data available.

**Flash Point:** No data available.

**Evaporation rate:** Slower than Ether

**Flammability (solid, gas):** Yes

**Upper/lower limit on flammability or explosive limits**

|   |   |
|---|---|
| <b>Flammability limit - upper (%):</b>          | No data available.  |
| <b>Flammability limit - lower (%):</b>          | No data available.  |
| <b>Explosive limit - upper (%):</b>             | No data available.  |
| <b>Explosive limit - lower (%):</b>             | No data available.  |
| <b>Vapor pressure:</b>                          | No data available.  |
| <b>Vapor density:</b>                           | Vapors are heavier than air and may travel along the floor and in the bottom of containers. |
| <b>Relative density:</b>                        | 1.113   |
| <b>Solubility(ies)</b>                          |   |
| <b>Solubility in water:</b>                     | Insoluble in water  |
| <b>Solubility (other):</b>                      | No data available.  |
| <b>Partition coefficient (n-octanol/water):</b> | No data available.  |
| <b>Auto-ignition temperature:</b>               | No data available.  |
| <b>Decomposition temperature:</b>               | No data available.  |
| <b>Viscosity:</b>                               | No data available.  |

**10. Stability and reactivity**

|  |   |
|--|---|
| <b>Reactivity:</b>                         | No data available.  |
| <b>Chemical Stability:</b>                 | Material is stable under normal conditions.   |
| <b>Possibility of hazardous reactions:</b> | No data available.  |
| <b>Conditions to avoid:</b>                | Avoid heat or contamination.  |
| <b>Incompatible Materials:</b>             | Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).                |
| <b>Hazardous Decomposition Products:</b>   | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. |

**11. Toxicological information****Information on likely routes of exposure**

|                      |   |
|----------------------|---|
| <b>Ingestion:</b>    | May be harmful if swallowed.  |
| <b>Inhalation:</b>   | In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes. |
| <b>Skin Contact:</b> | Causes mild skin irritation.  |
| <b>Eye contact:</b>  | Causes eye irritation.  |



**Information on toxicological effects****Acute toxicity (list all possible routes of exposure)**

**Oral**  
**Product:** ATEmix: 4,894.35 mg/kg

**Dermal**  
**Product:** ATEmix: 15,509.02 mg/kg

**Inhalation**  
**Product:** No data available.

**Repeated dose toxicity**  
**Product:** No data available.

**Skin Corrosion/Irritation**  
**Product:** No data available.

**Specified substance(s):**  
Xylene in vivo (Rabbit): Experimental result, Weight of Evidence study

Toluene in vivo (Rabbit): Experimental result, Key study

**Serious Eye Damage/Eye Irritation**  
**Product:** No data available.

**Specified substance(s):**  
Xylene in vivo (Rabbit, 24 hrs): Moderately irritating

Ethylbenzene in vivo (Rabbit, 7 d): Slightly irritating

Toluene in vivo (Rabbit, 24 - 72 hrs): Not irritating

Iron oxide in vivo (Rabbit, 1 - 72 hrs): Not irritating

**Respiratory or Skin Sensitization**  
**Product:** No data available.

**Carcinogenicity**  
**Product:** Suspected of causing cancer.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

Ethylbenzene Overall evaluation: Possibly carcinogenic to humans.

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

No carcinogenic components identified

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

No carcinogenic components identified

**Germ Cell Mutagenicity****In vitro****Product:** No data available.**In vivo****Product:** No data available.**Reproductive toxicity****Product:** Suspected of damaging fertility or the unborn child.**Specific Target Organ Toxicity - Single Exposure****Product:** No data available.**Specific Target Organ Toxicity - Repeated Exposure****Product:** No data available.**Aspiration Hazard****Product:** No data available.**Other effects:** No data available.**12. Ecological information****Ecotoxicity:****Acute hazards to the aquatic environment:****Fish****Product:** No data available.**Specified substance(s):**Xylene  
LC 50 (Fathead minnow (*Pimephales promelas*), 96 h): 42 mg/l Mortality  
LC 50 (*Bryconamericus iheringii*, 96 h): 9.94 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study  
LC 50 (*Oncorhynchus mykiss*, 96 h): 8.05 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study  
LC 50 (*Bryconamericus iheringii*, 96 h): 6.9 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study

|  |  |
|--|--|
|  | LC 50 (Oncorhynchus mykiss, 96 h): 7.6 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study   |
| Ethylbenzene                                       | LC 50 (Fathead minnow (Pimephales promelas), 96 h): 9.1 - 15.6 mg/l Mortality  |
| Toluene  | LC 50 (Fathead minnow (Pimephales promelas), 96 h): 20.5 - 23.8 mg/l Mortality   |
| <b>Aquatic Invertebrates</b>                       |  |
| <b>Product:</b>                                    | No data available.   |
| <b>Specified substance(s):</b>                     |  |
| Xylene   | LC 50 (Water flea (Daphnia magna), 24 h): 150 mg/l Mortality<br>EC 50 (Daphnia magna, 48 h): 3.82 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study<br>EC 50 (Ceriodaphnia dubia, 48 h): > 3.4 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study<br>IC 50 (Daphnia magna, 24 h): 4.7 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study<br>IC 50 (Daphnia magna, 24 h): 3.6 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study |
| Ethylbenzene                                       | LC 50 (Water flea (Daphnia magna), 24 h): 190 mg/l Mortality   |
| Toluene  | LC 50 (Water flea (Daphnia magna), 24 h): 240 - 420 mg/l Mortality   |
| <b>Chronic hazards to the aquatic environment:</b> |  |
| <b>Fish</b>  |  |
| <b>Product:</b>                                    | No data available.   |
| <b>Specified substance(s):</b>                     |  |
| Xylene   | NOAEL (Oncorhynchus mykiss, 56 d): > 1.3 mg/l Experimental result, Key study   |
| Toluene  | LOAEL (Oncorhynchus kisutch, 40 d): 2.77 mg/l Experimental result, Key study<br>NOAEL (Pimephales promelas, 32 d): 4 mg/l Experimental result, Supporting study<br>LOAEL (Pimephales promelas, 32 d): 6 mg/l Experimental result, Supporting study<br>NOAEL (Oncorhynchus kisutch, 40 d): 1.39 mg/l Experimental result, Key study   |
| Iron oxide   | LOAEL (Pimephales promelas, 33 d): 1.6 mg/l experimental result  |
| <b>Aquatic Invertebrates</b>                       |  |
| <b>Product:</b>                                    | No data available.   |
| <b>Specified substance(s):</b>                     |  |
| Xylene   | NOAEL (Ceriodaphnia dubia, 7 d): 1.17 mg/l Read-across from supporting substance (structural analogue or surrogate), Key study<br>NOAEL (Daphnia magna, 21 d): 1.57 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study<br>LOAEL (Daphnia magna, 21 d): 3.16 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study   |

EC 10 (Daphnia magna, 21 d): 1.91 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study  
EC 50 (Daphnia magna, 21 d): 2.9 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study

**Toxicity to Aquatic Plants**  
**Product:**

No data available.

**Persistence and Degradability**

**Biodegradation**  
**Product:**

No data available.

**BOD/COD Ratio**  
**Product:**

No data available.

**Bioaccumulative Potential**

**Bioconcentration Factor (BCF)**

**Product:** No data available.

**Specified substance(s):**  
Xylene

Oncorhynchus mykiss, Bioconcentration Factor (BCF): > 5.5 - < 12.2 Aquatic sediment Experimental result, Key study  
Oncorhynchus mykiss, Bioconcentration Factor (BCF): > 8.1 - < 25.9 Aquatic sediment Experimental result, Key study  
Oncorhynchus mykiss, Bioconcentration Factor (BCF): > 7.2 - < 24.2 Aquatic sediment Experimental result, Key study  
Oncorhynchus mykiss, Bioconcentration Factor (BCF): > 7.4 - < 18.5 Aquatic sediment Experimental result, Key study  
Oncorhynchus mykiss, Bioconcentration Factor (BCF): > 7.7 - < 21.2 Aquatic sediment Experimental result, Key study

Toluene

Green algae (Selenastrum capricornutum), Bioconcentration Factor (BCF): 3,016 (Static)

**Partition Coefficient n-octanol / water (log Kow)**

**Product:** No data available.

**Specified substance(s):**

Xylene Log Kow: 3.12 - 3.20  
Ethylbenzene Log Kow: 3.15  
Toluene Log Kow: 2.73

**Mobility in Soil:** No data available.

**Other Adverse Effects:** Toxic to aquatic organisms.

**13. Disposal considerations**

**Disposal instructions:** Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Contaminated Packaging:** No data available.

#### 14. Transport information

**TDG:**

UN3175, SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Xylene), 4.1, PG II

**CFR / DOT:**

UN3175, Solids containing flammable liquid, n.o.s. (Xylene), 4.1, PG II

**IMDG:**

UN3175, SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Xylene), 4.1, PG II

**Further Information:**

The above shipping description may not be accurate for all container sizes and all modes of transportation. Please refer to Bill of Lading.

#### 15. Regulatory information

**US Federal Regulations**

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

None present or none present in regulated quantities.

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

| <u>Chemical Identity</u>       | <u>OSHA hazard(s)</u>   |
|--------------------------------|---|
| Lead and compounds (inorganic) | Kidney<br>Acute toxicity<br>Central nervous system<br>Blood<br>Reproductive toxicity  |
| Arsenic                        | Skin<br>Liver<br>Acute toxicity<br>Respiratory irritation<br>Nervous system<br>Cancer |
| Cadmium                        | Acute toxicity<br>Lung<br>Kidney<br>Cancer  |

**CERCLA Hazardous Substance List (40 CFR 302.4):**

| <u>Chemical Identity</u>          | <u>Reportable quantity</u> |
|-----------------------------------|----------------------------|
| Xylene                            | 100 lbs.                   |
| Ethylbenzene                      | 1000 lbs.                  |
| Toluene                           | 1000 lbs.                  |
| Nickel                            | 100 lbs.                   |
| Lead and compounds<br>(inorganic) | 10 lbs.                    |
| Arsenic                           | 1 lbs.                     |
| Cadmium                           | 10 lbs.                    |

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

**Hazard categories**

Immediate (Acute) Health Hazards  
Delayed (Chronic) Health Hazard

**SARA 302 Extremely Hazardous Substance**

None present or none present in regulated quantities.

**SARA 304 Emergency Release Notification**

| <u>Chemical Identity</u>          | <u>Reportable quantity</u> |
|-----------------------------------|----------------------------|
| Xylene                            | 100 lbs.                   |
| Ethylbenzene                      | 1000 lbs.                  |
| Toluene                           | 1000 lbs.                  |
| Nickel                            | 100 lbs.                   |
| Lead and compounds<br>(inorganic) | 10 lbs.                    |
| Arsenic                           | 1 lbs.                     |
| Cadmium                           | 10 lbs.                    |
| Zinc oxide                        |                            |

**SARA 311/312 Hazardous Chemical**

| <u>Chemical Identity</u> | <u>Threshold Planning Quantity</u> |
|--------------------------|------------------------------------|
| Xylene                   | 500 lbs                            |
| Ethylbenzene             | 500 lbs                            |
| Toluene                  | 500 lbs                            |
| Iron oxide               | 500 lbs                            |

**SARA 313 (TRI Reporting)**

| <u>Chemical Identity</u> |
|--------------------------|
| Xylene                   |
| Ethylbenzene             |

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

| <u>Chemical Identity</u> | <u>Reportable quantity</u> |
|--------------------------|----------------------------|
| Xylene                   | 100 lbs.                   |

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

None present or none present in regulated quantities.

**US State Regulations**

**US. California Proposition 65**

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

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

**Chemical Identity**

Xylene  
Ethylbenzene

**US. Massachusetts RTK - Substance List**

**Chemical Identity**

Xylene  
Ethylbenzene

**US. Pennsylvania RTK - Hazardous Substances**

**Chemical Identity**

Xylene  
Ethylbenzene

**US. Rhode Island RTK**

**Chemical Identity**

Xylene  
Ethylbenzene

**Other Regulations:**

|  |         |
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| <b>Regulatory VOC (less water and exempt solvent):</b> | 378 g/l |
| <b>VOC Method 310:</b>                                 | 33.98 % |

**Inventory Status:**

|  |  |
|--|--|
| Australia AICS:                          | One or more components in this product are not listed on or exempt from the Inventory. |
| Canada DSL Inventory List:               | One or more components in this product are not listed on or exempt from the Inventory. |
| EINECS, ELINCS or NLP:                   | One or more components in this product are not listed on or exempt from the Inventory. |
| Japan (ENCS) List:                       | One or more components in this product are not listed on or exempt from the Inventory. |
| China Inv. Existing Chemical Substances: | One or more components in this product are not listed on or exempt from the Inventory. |
| Korea Existing Chemicals Inv. (KECI):    | One or more components in this product are not listed on or exempt from the Inventory. |
| Canada NDSL Inventory:                   | One or more components in this product are not listed on or exempt from the Inventory. |
| Philippines PICCS:                       | One or more components in this product are not listed on or exempt from the Inventory. |

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|-------------------------------------|--|
| US TSCA Inventory:                  | One or more components in this product are not listed on or exempt from the Inventory. |
| New Zealand Inventory of Chemicals: | One or more components in this product are not listed on or exempt from the Inventory. |
| Japan ISHL Listing:                 | One or more components in this product are not listed on or exempt from the Inventory. |
| Japan Pharmacopoeia Listing:        | One or more components in this product are not listed on or exempt from the Inventory. |

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| <b>16. Other information, including date of preparation or last revision</b> |
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|-----------------------------|---|
| <b>Revision Date:</b>       | 02/04/2016  |
| <b>Version #:</b>           | 1.0   |
| <b>Further Information:</b> | No data available.  |
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