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| **SECTION 1: IDENTIFICATION** |

* 1. **Product Identifier**
* Product Form:
  + Article
* Product Name:
  + Steel Siding and Accessories
* Synonyms:
  + Mixture. Steel sheet (galvanized sheet - low carbon, high strength low alloy) with various coatings

**1.2. Intended Use of the Product**

* Use of the substance/mixture:
  + Steel siding for building applications

**1.3. Name, Address, and Telephone of the Responsible Party**

* Company
  + Ply Gem Industries
  + 2600 Grand Blvd, Suite 900
  + Kansas City, MO 64108
  + T 816-426-8200 [www.plygem.com](http://www.plygem.com)

**1.4. Emergency Telephone Number**

* Emergency Number: 1-800-424-9300 (CHEMTREC)

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| **SECTION 2: HAZARDS IDENTIFICATION** |

**2.1. Classification of the Substance or Mixture**

* **Classification (GHS-US)**
  + Within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200]: this product is considered a manufactured article and is not considered a hazard when used in a manner which is consistent with the labeled directions.

**2.2. Label Elements**

* **GHS-US Labeling**
  + No labeling applicable

**2.3. Other Hazards**

* The health effects listed below are not likely to occur unless processing of this product generates dust. Dust from processing can cause irritation of eyes, skin and upper respiratory tract.

**2.4. Unknown Acute Toxicity (GHS-US)**

* No data available

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| **SECTION 3: COMPOSITION/INFORAMTION ON INGREDIENTS** |

**3.1. Substance**

* Not applicable

**3.2. Mixture**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Product Identifier** | **%** | **Classification (GHS-US)** |
| Base Metal Steel | See below | > 85 | N/A |
| Galvanized Coating | See below | < 10 | N/A |
| Paint Coatings | See below | < 5 | N/A |
| **Composition of Above Ingredients:** | | | |
| **Base Metal Steel** | **Product Identifier** | **%** | **Classification (GHS-US)** |
| Iron | (CAS No) 7439-89-6 | > 82 | Not classified |
| Manganese | (CAS No) 7439-96-5 | < 1.7 | Comb. Dust |
| Vanadium | (CAS No) 7440-62-2 | < 0.2 | Not classified |
| **Galvanized Coating** | **Product Identifier** | **%** | **Classification (GHS-US)** |
| Zinc | (CAS No) 7440-66-6 | < 9.9 | Comb. Dust  Aquatic Acute 1, H400  Aquatic Chronic 1, H410 |
| Lead | (CAS No) 7439-92-1 | < 0.2 | Carc. 1B, H350  Repr. 1A, H360  STOT RE 1, H372  Aquatic Acute 1, H400  Aquatic Chronic 1, H410 |
| Resins: Resins include acrylic, polyester, urethane, epoxy, vinyl & fluoropolymer. | N/A (Article)\* | < 5 | N/A |
| Titanium dioxide | (CAS No) 13463-67-7 | < 5 | Carc. 2, H351 |
| Chromium compounds (Including Chromium (III) compounds and Chromium (VI) compounds) | (CAS No) 7440-47-3 | < 5 | Comb. Dust, H232 |

*The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret within the meaning g of the OSHA Hazard Communication Standard [29 CFR 1910.1200*

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| **SECTION 4: FIRST AID MEASURES** |

**4.1. Description of First Aid Measures**

* First-aid Measures General:
  + Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice. First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.
* First-aid Measures After Skin Contact:
  + Wash with plenty of soap and water. Obtain medical attention if irritation develops or persists.
* First-aid Measures After Eye Contact:
  + Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.
* First-aid Measures After Ingestion:
  + Rinse mouth. Do NOT induce vomiting. Seek medical attention.

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

* Symptoms/Injuries:
  + None expected under normal conditions of use. The health effects listed below are not likely to occur unless dust is generated by processing. Final product may have sharp edges.
* Symptoms/Injuries After Inhalation:
  + Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.
* Symptoms/Injuries After Skin Contact:
  + Dust may cause irritation in skin folds or by contact in combination with tight clothing.
* Symptoms/Injuries After Eye Contact:
  + Dust from this product may cause minor eye irritation.
* Symptoms/Injuries After Ingestion:
  + Gastrointestinal irritation.
* Chronic Symptoms:
  + For particulates and dust: May cause cancer, May damage fertility or the unborn child.

**4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed**

* If medical advice is needed, have product container or label at hand.

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| **SECTION 5: FIRE-FIGHTING MEASURES** |

5.1. Extinguishing Media

* Suitable Extinguishing Media:
  + Dry chemical, water spray, regular foam.
* Unsuitable Extinguishing Media:
  + Do not use a heavy water stream. Use of heavy stream of water may spread fire.

**5.2. Special Hazards Arising from the Substance or Mixture**

* Fire Hazard: Non-combustible.
* Explosion Hazard: None known.
* Reactivity: Hazardous reactions will not occur under normal conditions.

**5.3. Advice for Firefighters**

* Precautionary Measures Fire:
  + Exercise caution when fighting any chemical fire.
* Firefighting Instructions:
  + Avoid inhalation of material or combustion by-products. Do not allow run-off from firefighting to enter drains or water sources. Use water spray or fog for cooling exposed containers.
* Protection During Firefighting:
  + Do not enter fire area without proper protective equipment, including respiratory protection.
* Other Information:
  + Refer to Section 9 for flammability properties.

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| **SECTION 6: ACCIDENTAL RELEASE MEASURES** |

**6.1. Personal Precautions, Protective Equipment and Emergency Procedures**

* General Measures:
  + No special measures required.
* For Non-Emergency Personnel
  + Protective Equipment:
    - Use appropriate personal protection equipment (PPE).
* Emergency Procedures:
  + Evacuate unnecessary personnel.
* For Emergency Responders
  + Protective Equipment: Equip cleanup crew with proper protection.
  + Emergency Procedures: Ventilate area.

**6.2. Environmental Precautions**

* Prevent entry to sewers and public waters.

**6.3. Methods and Material for Containment and Cleaning**

* For Containment:
  + No specific measures are necessary.
* Methods for Cleaning Up:
  + Clean up spills immediately and dispose of waste safely. Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal. Utilize a dust suppressant when removing mechanically.]

**6.4. Reference to Other Sections**

* + See heading 8, Exposure Controls and Personal Protection.
  + Concerning disposal elimination after cleaning, see item 13

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| **SECTION 7: HANDLING AND STORAGE** |

**7.1. Precautions for Safe Handling**

* Additional Hazards When Processed:
  + Where excessive dust may result, use approved respiratory protection equipment. Do not breathe dust.
* Precautions for Safe Handling:
  + Avoid creating or spreading dust.
* Hygiene Measures:
  + Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

**7.2. Conditions for Safe Storage, Including Any Incompatibilities**

* Storage Conditions:
  + Store away from incompatible materials.
* Incompatible Products:
  + Strong acids. Strong bases. Strong oxidizers.
* Storage Area:
  + Store in a well-ventilated place. Keep cool.

**7.3. Specific End Use(s)**

* Steel siding for building applications

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| **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION** |

**8.1. Control Parameters**

* For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), or OSHA (PEL).

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| **Manganese (7439-96-5)** | | |
| **USA ACGIH** | ACGIH TWA (mg/m³) | 0.02 mg/m³ (respirable fraction)  0.1 mg/m³ (inhalable fraction) |
| **USA ACGIH** | ACGIH chemical category | Not Classifiable as a Human Carcinogen |
| **USA NIOSH** | NIOSH REL (TWA) (mg/m³) | 1 mg/m³ (fume) |
| **USA NIOSH** | NIOSH REL (STEL) (mg/m³) | 3 mg/m³ |
| **USA IDLH** | US IDLH (mg/m³) | 500 mg/m³ |
| **USA OSHA** | OSHA PEL (Ceiling) (mg/m³) | 5 mg/m³ (fume) |
| **Vanadium (7440-62-2)** | | |
| **USA NIOSH** | NIOSH REL (TWA) (mg/m³) | 1 mg/m³ |
| **USA NIOSH** | NIOSH REL (STEL) (mg/m³) | 3 mg/m³ |
| **USA OSHA** | OSHA PEL (Ceiling) (mg/m³) | 0.5 mg/m³ (respirable dust)  0.1 mg/m³ (fume) |
| **Lead (7439-92-1)** | | |
| **USA ACGIH** | ACGIH TWA (mg/m³) | 0.05 mg/m³ |
| **USA ACGIH** | ACGIH chemical category | Confirmed Animal Carcinogen with Unknown Relevance to Humans |
| **USA NIOSH** | NIOSH REL (TWA) (mg/m³) | 0.050 mg/m³ |
| **USA IDLH** | US IDLH (mg/m³) | 100 mg/m³ |
| **USA OSHA** | OSHA PEL (TWA) (mg/m³) | 50 µg/m³ |
| **Chromium (7440-47-3)** | | |
| **USA ACGIH** | ACGIH TWA (mg/m³) | 0.5 mg/m³ |
| **USA ACGIH** | ACGIH chemical category | Not Classifiable as a Human Carcinogen |
| **USA NIOSH** | NIOSH REL (TWA) (mg/m³) | 0.5 mg/m³ |
| **USA IDLH** | US IDLH (mg/m³) | 250 mg/m³ |
| **USA OSHA** | OSHA PEL (TWA) (mg/m³) | 1 mg/m³ |
| **Titanium dioxide (13463-67-7)** | | |
| **USA ACGIH** | ACGIH TWA (mg/m³) | 10 mg/m³ |
| **USA ACGIH** | ACGIH chemical category | Not Classifiable as a Human Carcinogen |
| **USA IDLH** | US IDLH (mg/m³) | 5000 mg/m³ |
| **USA OSHA** | OSHA PEL (TWA) (mg/m³) | 15 mg/m³ (total dust) |

**8.2. Exposure Control**

|  |  |
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| **Appropriate Engineering Controls** | Emergency eye wash fountains and safety showers should be available in the  immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. |
| **Personal Protective Equipment** | In case of dust production: protective goggles. Dust formation: dust mask. |
|  |
| **Materials for Protective Clothing** | Not required for normal conditions of use. |
| **Hand Protection** | Not required for normal conditions of use. |
| **Eye Protection** | In case of dust production: protective goggles. |
| **Skin and Body Protection** | Not required for normal conditions of use. |
| **Respiratory Protection** | Use NIOSH-approved dust mask if dust has the potential to become airborne. |
| **Environmental Exposure Controls** | Avoid release to the environment. |
| **Consumer Exposure Controls** | Do not eat, drink or smoke during use. |

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| **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES** |

**9.1. Information on Basic Physical and Chemical Properties**

|  |  |
| --- | --- |
| **Physical State** | Solid |
| **Appearance** | Various colors |
| **Odor** | Odorless |
| **Odor Threshold** | No data available |
| **pH** | N/A |
| **Evaporation Rate** | No data available |
| **Melting Point** | Steel: 2750°F (1510°C); Zinc: 800-900°F (427-482°C) |
| **Freezing Point** | No data available |
| **Boiling Point** | Not determined |
| **Flash Point** | Not applicable |
| **Auto-ignition Temperature** | No data available |
| **Decomposition Temperature** | No data available |
| **Flammability (solid, gas)** | No data available |
| **Vapor Pressure** | No data available |
| **Relative Vapor Density at 20 °C** | No data available |
| **Relative Density** | No data available |
| **Specific Gravity** | Not determined |
| **Solubility** | Water: Not soluble |
| **Partition Coefficient: N-Octanol/Water** | No data available |
| **Viscosity** | Not applicable |

**9.2. Other Information**

* No additional information available

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| **SECTION 10: STABILITY AND REACTIVITY** |

**10.1. Reactivity:**

* Hazardous reactions will not occur under normal conditions.

**10.2. Chemical Stability:**

* Stable under recommended handling and storage conditions (see section 7).

**10.3. Possibility of Hazardous Reactions:**

* Hazardous polymerization will not occur.

**10.4. Conditions to Avoid:**

* Avoid creating or spreading dust. Sparks, heat, open flame and other sources of ignition.

**10.5. Incompatible Materials:**

* Strong acids. Strong bases. Strong oxidizers.

**10.6. Hazardous Decomposition Products:**

* Metal oxides.

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| **SECTION 11: TOXICOLOGICAL INFORMATION** |

**11.1. Information on Toxicological Effects**

* **Acute Toxicity:** Not classified

|  |  |
| --- | --- |
| Manganese (7439-96-5) | |
| LD50 Oral Rat | > 2000 mg/kg |
| Chromium (7440-47-3) | |
| LD50 Oral Rat | > 5000 mg/kg |
| Titanium dioxide (13463-67-7) | |
| LD50 Oral Rat | > 10000 mg/kg |

|  |  |
| --- | --- |
| Skin Corrosion/Irritation | Not classified |
| pH | N/A |
| Serious Eye Damage/Irritation | Not classified |
| pH | N/A |
| Respiratory or Skin Sensitization | Not classified |
| Germ Cell Mutagenicity | Not classified |
| Carcinogenicity | Not classified |

|  |  |  |  |
| --- | --- | --- | --- |
| Lead (7439-92-1) | |  |  |
| IARC group | 2A |  |  |
| National Toxicology Program (NTP) Status | Reasonably anticipated to be Human Carcinogen. |  |  |
| OSHA Hazard Communication Carcinogen List | In OSHA Hazard Communication Carcinogen list. |  |  |
| Chromium (7440-47-3) | |  |  |
| IARC group | 3 |  |  |
| Titanium dioxide (13463-67-7) | |  |  |
| IARC group | 2B |  |  |
| OSHA Hazard Communication Carcinogen List | In OSHA Hazard Communication Carcinogen list. |  |  |

|  |  |
| --- | --- |
| Reproductive Toxicity | Not classified |
| Specific Target Organ Toxicity (Single Exposure): | Not classified |
| Specific Target Organ Toxicity (Repeated Exposure) | Not classified |
| Aspiration Hazard | Not classified |
| Symptoms/Injuries After Inhalation | Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure. Final product may have sharp edges |
| Symptoms/Injuries After Skin Contact | Dust may cause irritation in skin folds or by contact in combination with tight clothing |
| Symptoms/Injuries After Eye Contact | Dust from this product may cause minor eye irritation. |
| Symptoms/Injuries After Ingestion | Gastrointestinal irritation |
| Chronic Symptoms | For particulates and dust: May cause cancer, May damage fertility or the unborn child. |

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| **SECTION 12: ECOLOGICAL INFORMATION** |

**12.1. Toxicity**

|  |  |
| --- | --- |
| Manganese (7439-96-5) | |
| NOEC chronic fish | 3.6 mg/l (Exposure time: 96h; Species: Oncorhynchus mykiss) |
| Zinc (7440-66-6) | |
| LC50 Fish 1 | 2.16 - 3.05 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| EC50 Daphnia 1 | 0.139 - 0.908 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) |
| LC 50 Fish 2 | 0.211 - 0.269 mg/l (Exposure time: 96 h - Species: Pimephales promelas [semi-static]) |
| Lead (7439-92-1) | |
| LC50 Fish 1 | 0.44 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [semi-static]) |
| EC50 Daphnia 1 | 600 μg/l (Exposure time: 48 h - Species: water flea) |
| LC 50 Fish 2 | 1.17 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through]) |

**12.2. Persistence and Degradability**

* No additional information available

**12.3. Bioaccumulative Potential**

* No additional information available

**12.4. Mobility in Soil**

* No additional information available

**12.5. Other Adverse Effects**

* No additional information available

|  |
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| **SECTION 13: DISPOSAL CONSIDERATIONS** |

**13.1. Waste treatment methods**

* **Waste Disposal Recommendations:** 
  + Dispose of waste material in accordance with all local, regional, national, and international regulations.

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| **SECTION 14: TRANSPORT INFORMATION** |

**14.1. In Accordance with DOT**

* Not regulated for transport

**14.2. In Accordance with IMDG**

* Not regulated for transport

**14.3. In Accordance with IATA**

Not regulated for transport

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| **SECTION 15: REGULATORY INFORMATION** |

**15.1 US Federal Regulations**

|  |  |
| --- | --- |
| **Iron (7439-89-6)** | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| **Manganese (7439-96-5)** | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory  Listed on United States SARA Section 313 | |
| **SARA Section 313 - Emission Reporting** | 1.0 % |
| **Vanadium (7440-62-2)** | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory  Listed on United States SARA Section 313 | |
| **SARA Section 313 - Emission Reporting** | 1.0 % (except when contained in an alloy) |
| **Zinc (7440-66-6)** | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory  Listed on United States SARA Section 313 | |
| **SARA Section 313 - Emission Reporting** | 1.0 % (dust or fume only) |
| **Lead (7439-92-1)** | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory  Listed on United States SARA Section 313 | |
| **SARA Section 313 - Emission Reporting** | 0.1 % |
| **Chromium (7440-47-3)** | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory  Listed on United States SARA Section 313 | |
| **SARA Section 313 - Emission Reporting** | 1.0 % |
| **Titanium dioxide (13463-67-7)** | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| **SARA Section 311/312 Hazard Classes** | Delayed (chronic) health hazard |

**15.2 US State Regulations**

|  |  |
| --- | --- |
| **Lead (7439-92-1)** | |
| **U.S. - California - Proposition 65 - Carcinogens List** | WARNING: This product contains chemicals known to the State of California to cause cancer. |
| **U.S. - California - Proposition 65 - Developmental**  **Toxicity** | WARNING: This product contains chemicals known to the State of California to cause birth defects. |
| **U.S. - California - Proposition 65 - Reproductive**  **Toxicity - Female** | WARNING: This product contains chemicals known to the State of California to cause (Female) reproductive harm. |
| **U.S. - California - Proposition 65 - Reproductive**  **Toxicity - Male** | WARNING: This product contains chemicals known to the State of California to cause (Male) reproductive harm. |
| **Titanium dioxide (13463-67-7)** | |
| **U.S. - California - Proposition 65 - Carcinogens List** | WARNING: This product contains chemicals known to the State of California to cause cancer. |
| **Iron (7439-89-6)** |  |
| U.S. - Colorado - Primary Drinking Water Regulations - Secondary Maximum Contaminant Levels (SMCLs)  U.S. - Florida - Drinking Water Standards - Secondary Maximum Contaminant Levels (SMCLs)  U.S. - Georgia - Drinking Water - Secondary Maximum Contaminant Levels (SMCLs)  U.S. - Massachusetts - Drinking Water - Secondary Maximum Contaminant Levels (SMCLs)  U.S. - Missouri - Drinking Water - Secondary Maximum Contaminant Levels (SMCLs)  U.S. - Nevada - Drinking Water - Secondary Maximum Contaminant Levels (SMCLs)  U.S. - New Hampshire - Drinking Water - Secondary Maximum Contaminant Levels (SMCLs)  U.S. - New Jersey - Secondary Drinking Water Standards - Recommended Upper Limits (RULs)  U.S. - New Jersey - Water Quality - Ground Water Quality Criteria  U.S. - New Jersey - Water Quality - Practical Quantitation Levels (PQLs)  U.S. - New Mexico - Water Quality - Standards for Ground Water of 10,000 mg/L TDS Concentration or Less  U.S. - Pennsylvania - Drinking Water - Secondary Maximum Contaminant Levels (SMCLs)  U.S. - Rhode Island - Water Quality Standards - Chronic Freshwater Aquatic Life Criteria  U.S. - Rhode Island - Water Quality Standards - Human Health Criteria for Consumption of Water and Aquatic Organisms  U.S. - South Carolina - Secondary Maximum Contaminant Levels (SMCLs)  U.S. - Texas - Drinking Water Standards - Secondary Constituent Levels (SCLs)  U.S. - Texas - Effects Screening Levels - Long Term  U.S. - Texas - Effects Screening Levels - Short Term  U.S. - Utah - Drinking Water - Secondary Maximum Contaminant Levels (SMCLs)  U.S. - Virginia - Water Contaminant Levels (SMCLs) U.S. - Virginia - Water Quality Standards - Public Water Supply Effluent Limits | |
| **Manganese (7439-96-5)**  U.S. - California - SCAQMD - Toxic Air Contaminants - Non-Cancer Chronic  U.S. - California - Toxic Air Contaminant List (AB 1807, AB 2728)  U.S. - Colorado - Primary Drinking Water Regulations - Secondary Maximum Contaminant Levels (SMCLs)  U.S. - Connecticut - Hazardous Air Pollutants - HLVs (30 min)  U.S. - Connecticut - Hazardous Air Pollutants - HLVs (8 hr)  U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities  U.S. - Florida - Drinking Water Standards - Secondary Maximum Contaminant Levels (SMCLs)  U.S. - Georgia - Drinking Water - Secondary Maximum Contaminant Levels (SMCLs)  U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations  U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)  U.S. - Idaho - Occupational Exposure Limits - Ceilings  U.S. - Illinois - Toxic Air Contaminant Carcinogens  U.S. - Illinois - Toxic Air Contaminants  U.S. - Louisiana - Reportable Quantity List for Pollutants  U.S. - Maine - Air Pollutants - Hazardous Air Pollutants  U.S. - Massachusetts - Drinking Water - Secondary Maximum Contaminant Levels (SMCLs)  U.S. - Massachusetts - Drinking Water Guidelines RTK –  U.S. - Massachusetts - Right to Know List  U.S. - Massachusetts – Toxics Use Reduction Act  U.S. - Michigan – Occupational Exposure Limits - STELs U.S. - Michigan - Occupational Exposure Limits - TWAs U.S. - Minnesota - Chemicals of High Concern  U.S. - Minnesota - Groundwater Health Risk Limits  U.S. - Minnesota - Hazardous Substance List  U.S. - Minnesota - Permissible Exposure Limits - STELs  U.S. - Minnesota - Permissible Exposure Limits - TWAs  U.S. - Missouri - Drinking Water - Secondary Maximum Contaminant Levels (SMCLs)  U.S. - Nevada - Drinking Water - Secondary Maximum Contaminant Levels (SMCLs)  U.S. - New Hampshire - Drinking Water - Secondary Maximum Contaminant Levels (SMCLs)  U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour  U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual  U.S. - New Jersey - Discharge Prevention - List of Hazardous Substances  U.S. - New Jersey - Environmental Hazardous Substances List  RTK - U.S. - New Jersey - Right to Know Hazardous Substance List  U.S. - New Jersey - Secondary Drinking Water Standards - Recommended Upper Limits (RULs) U.S. - New Jersey - Special Health Hazards Substances List  U.S. - New Jersey - Water Quality - Ground Water Quality Criteria  U.S. - New Jersey - Water Quality - Practical Quantitation Levels (PQLs)  U.S. - New Mexico - Water Quality - Standards for Ground Water of 10,000 mg/L TDS Concentration or Less  U.S. - New York - Occupational Exposure Limits - TWAs  U.S. - North Carolina - Control of Toxic Air Pollutants  U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 8-Hour  U.S. - Oregon - Permissible Exposure Limits - Ceilings  U.S. - California - Safer Consumer Products - Initial List of Candidate Chemicals and Chemical Groups  U.S. - Pennsylvania - Drinking Water - Secondary Maximum Contaminant Levels (SMCLs)  RTK - U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List  RTK - U.S. - Pennsylvania - RTK (Right to Know) List  U.S. - Rhode Island - Air Toxics - Acceptable Ambient Levels - 24-Hour  U.S. - Rhode Island - Air Toxics - Acceptable Ambient Levels – Annual  U.S. - South Carolina - Secondary Maximum Contaminant Levels (SMCLs)  U.S. - Tennessee - Occupational Exposure Limits – STELs  U.S. - Tennessee - Occupational Exposure Limits – TWAs  U.S. - Texas - Drinking Water Standards - Secondary Constituent Levels (SCLs)  U.S. - Texas - Effects Screening Levels - Long Term  U.S. - Texas - Effects Screening Levels - Short Term  U.S. - Utah - Drinking Water - Secondary Maximum Contaminant Levels (SMCLs)  U.S. - Vermont - Permissible Exposure Limits - Ceilings U.S. - Vermont - Permissible Exposure Limits - STELs U.S. - Vermont - Permissible Exposure Limits – TWAs  U.S. - Virginia - Water Quality Standards - Public Water Supply Effluent Limits  U.S. - Washington - Permissible Exposure Limits – Ceilings  U.S. - Washington - Permissible Exposure Limits – STELs  U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 25 Feet to Less Than 40 Feet  U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 40 Feet to Less Than 75 Feet  U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 75 Feet or Greater  U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights Less Than 25 Feet | |
| **Vanadium (7440-62-2)** | |
| U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities  U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations  U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)  U.S. - Massachusetts -Allowable Ambient Limits (AALs)  U.S. - Massachusetts - Allowable Threshold Concentrations (ATCs)  U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 1  U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 2  U.S. - Massachusetts - Oil & Hazardous Material List - Reportable Quantity  U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 1  U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 2  RTK - U.S. - Massachusetts - Right To Know List  U.S. - Massachusetts - Threshold Effects Exposure Limits (TELs) U.S. - Massachusetts - Toxics Use Reduction Act  U.S. - Minnesota - Groundwater Health Risk Limits  U.S. - New Jersey - Discharge Prevention - List of Hazardous Substances  U.S. - New Jersey - Environmental Hazardous Substances List  RTK - U.S. - New Jersey - Right to Know Hazardous Substance List  RTK - U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List  RTK - U.S. - Pennsylvania - RTK (Right to Know) List  U.S. - Rhode Island - Air Toxics - Acceptable Ambient Levels - 1-Hour  U.S. - Tennessee - Occupational Exposure Limits - TWAs  U.S. - Texas - Effects Screening Levels - Long Term  U.S. - Texas - Effects Screening Levels - Short Term | |
| **Zinc (7440-66-6)** | |
| U.S. - California - Priority Toxic Pollutants - Freshwater Criteria  U.S. - California - Priority Toxic Pollutants - Saltwater Criteria  U.S. - California - Toxic Air Contaminant List (AB 1807, AB 2728)  U.S. - Colorado - Primary Drinking Water Regulations - Secondary Maximum Contaminant Levels (SMCLs) U.S. - Connecticut - Water Quality Standards - Acute Freshwater Aquatic Life Criteria  U.S. - Connecticut - Water Quality Standards - Acute Saltwater Aquatic Life Criteria  U.S. - Connecticut - Water Quality Standards - Chronic Freshwater Aquatic Life Criteria  U.S. - Connecticut - Water Quality Standards - Chronic Saltwater Aquatic Life Criteria  U.S. - Connecticut - Water Quality Standards - Consumption of Organisms Only  U.S. - Connecticut - Water Quality Standards - Consumption of Water and Organisms  U.S. - Connecticut - Water Quality Standards - Health Designations  U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities  U.S. - Florida - Drinking Water Standards - Secondary Maximum Contaminant Levels (SMCLs)  U.S. - Georgia - Drinking Water - Secondary Maximum Contaminant Levels (SMCLs)  U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations  U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)  U.S. - Louisiana - Reportable Quantity List for Pollutants  U.S. - Maryland - Surface Water Quality Standards - Acute Freshwater Aquatic Life  U.S. - Maryland - Surface Water Quality Standards - Acute Saltwater Aquatic Life Criteria  U.S. - Maryland - Surface Water Quality Standards - Chronic Freshwater Aquatic Life  U.S. - Maryland - Surface Water Quality Standards - Chronic Saltwater Aquatic Life Criteria  U.S. - Maryland - Surface Water Quality Standards - Consumption of Organisms Only  U.S. - Maryland - Surface Water Quality Standards - Consumption of Water and Organisms  U.S. - Massachusetts - Drinking Water - Secondary Maximum Contaminant Levels (SMCLs)  U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 1  U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 2  U.S. - Massachusetts - Oil & Hazardous Material List - Reportable Quantity  U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 1  U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 2  RTK - U.S. - Massachusetts - Right To Know List U.S. - Massachusetts - Toxics Use Reduction Act  RTK - U.S. - Massachusetts - Right To Know List U.S. - Massachusetts - Toxics Use Reduction Act  U.S. - Michigan - Polluting Materials List  U.S. - Minnesota - Chemicals of High Concern  U.S. - Minnesota - Groundwater Health Risk Limits  U.S. - Missouri - Drinking Water - Secondary Maximum Contaminant Levels (SMCLs)  U.S. - Nevada - Drinking Water - Secondary Maximum Contaminant Levels (SMCLs)  U.S. - New Hampshire - Drinking Water - Secondary Maximum Contaminant Levels (SMCLs)  U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour  U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual  U.S. - New Jersey - Discharge Prevention - List of Hazardous Substances  RTK - U.S. - New Jersey - Right to Know Hazardous Substance List  U.S. - New Jersey - Water Quality - Practical Quantitation Levels (PQLs)  U.S. - New Mexico - Water Quality - Standards for Ground Water of 10,000 mg/L TDS Concentration or Less  U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances  U.S. - North Dakota - Water Quality Standards - Aquatic Life Acute Value for Classes I, IA, II, III  U.S. – North Dakota - Water Quality Standards - Aquatic Life Chronic Value for Classes I, IA, II, III U.S. - North Dakota Water Quality Standards - Human Health Value for Class III  U.S. - North Dakota - Water Quality Standards - Human Health Value for Classes I, IA, II  U.S. - Pennsylvania - Beneficial Use of Sewage Sludge by Land Application - Pollutant Ceiling Limits  U.S. - Pennsylvania - Drinking Water - Secondary Maximum Contaminant Levels (SMCLs)  RTK - U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List  RTK - U.S. - Pennsylvania - RTK (Right to Know) List  U.S. - Rhode Island - Air Toxics - Acceptable Ambient Levels - 24-Hour  U.S. - Rhode Island - Air Toxics - Acceptable Ambient Levels – Annual  U.S. - Rhode Island - Water Quality Standards - Acute Freshwater Aquatic Life Criteria  U.S. - Rhode Island - Water Quality Standards - Acute Saltwater Aquatic Life Criteria  U.S. - Rhode Island - Water Quality Standards - Chronic Freshwater Aquatic Life Criteria  U.S. - Rhode Island - Water Quality Standards - Chronic Saltwater Aquatic Life Criteria  U.S. - Rhode Island - Water Quality Standards - Human Health Criteria for Consumption of Aquatic Organisms Only  U.S. - Rhode Island - Water Quality Standards - Human Health Criteria for Consumption of Water and Aquatic Organisms  U.S. - South Carolina - Secondary Maximum Contaminant Levels (SMCLs)  U.S. - Texas - Drinking Water Standards - Secondary Constituent Levels (SCLs)  U.S. - Texas - Effects Screening Levels - Long Term  U.S. - Texas - Effects Screening Levels - Short Term  U.S. - Utah - Drinking Water - Secondary Maximum Contaminant Levels (SMCLs)  U.S. - Virginia - Water Quality Standards - Acute Freshwater Aquatic Life | |
| **Lead (7439-92-1)**  U.S. - California - Priority Toxic Pollutants - Freshwater Criteria  U.S. - California - Priority Toxic Pollutants - Saltwater Criteria  U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)  U.S. - California - SCAQMD - Toxic Air Contaminants - Carcinogens  U.S. - California - SDAPCD - Toxic Air Contaminants - Carcinogenic Impacts Must Be Calculated  U.S. - California - Toxic Air Contaminant List (AB 1807, AB 2728)  U.S. - Colorado - Hazardous Wastes - Maximum Concentration for the Toxicity Characteristics  U.S. - Colorado - Primary Drinking Water Regulations - Maximum Contaminant Level Goals (MCLGs)  U.S. - Connecticut - Drinking Water Quality Standards - Groundwater Sources  U.S. - Connecticut - Drinking Water Quality Standards - Maximum Contaminant Levels  U.S. - Connecticut - Water Quality Standards - Acute Freshwater Aquatic Life Criteria  U.S. - Connecticut - Water Quality Standards - Acute Saltwater Aquatic Life Criteria  U.S. - Connecticut - Water Quality Standards - Chronic Freshwater Aquatic Life Criteria  U.S. - Connecticut - Water Quality Standards - Chronic Saltwater Aquatic Life Criteria  U.S. - Connecticut - Water Quality Standards - Consumption of Water and Organisms  U.S. - Connecticut - Water Quality Standards - Health Designations  U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities  U.S. - Florida - Drinking Water Standards - Inorganic Contaminants - Maximum Contaminant Levels (MCLs)  U.S. - Georgia - Drinking Water - Maximum Contaminant Levels (MCLs)  U.S. - Idaho - Occupational Exposure Limits - TWAs  U.S. - Illinois - Toxic Air Contaminant Carcinogens  U.S. - Illinois - Toxic Air Contaminants  U.S. - Louisiana - Reportable Quantity List for Pollutants  U.S. - Maine - Air Pollutants - Criteria Pollutants  U.S. - Maine - Air Pollutants - Hazardous Air Pollutants  U.S. - Maine - Chemicals of High Concern  U.S. - Maryland - Surface Water Quality Standards - Acute Freshwater Aquatic Life  U.S. - Maryland - Surface Water Quality Standards - Acute Saltwater Aquatic Life Criteria  U.S. - Maryland - Surface Water Quality Standards - Chronic Freshwater Aquatic Life  U.S. - Maryland - Surface Water Quality Standards - Chronic Saltwater Aquatic Life Criteria  U.S. - Massachusetts - Allowable Ambient Limits (AALs)  U.S. - Massachusetts - Allowable Threshold Concentrations (ATCs)  U.S. - Massachusetts - Drinking Water - Maximum Contaminant Levels (MCLs)  U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 1  U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 2  U.S. - Massachusetts - Oil & Hazardous Material List - Reportable Quantity  U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 1  U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 2  RTK - U.S. - Massachusetts - Right To Know List  U.S. - Massachusetts - Threshold Effects Exposure Limits (TELs) U.S. - Massachusetts - Toxics Use Reduction Act  U.S. - Michigan - Polluting Materials List  U.S. - Minnesota - Chemicals of High Concern  U.S. - Minnesota - Chemicals of High Concern - Persistent Bioaccumulative Toxins  U.S. - Minnesota - Hazardous Substance List  U.S. - Missouri - Drinking Water - Maximum Contaminant Levels (MCLs)  U.S. - Montana - Ambient Air Quality Standards  U.S. - Nebraska - Maximum Concentration of Contaminants for the Toxicity Characteristic  U.S. - New Hampshire - Primary Ambient Air Quality Standards (AAQS)  U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour  U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) – Annual  U.S. - New Hampshire - Secondary Ambient Air Quality Standards (AAQS)  U.S. - New Jersey - Discharge Prevention - List of Hazardous Substances  U.S. - New Jersey - Environmental Hazardous Substances List  U.S. - New Jersey - Primary Drinking Water Standards - Action Levels – Als  RTK - U.S. - New Jersey - Right to Know Hazardous Substance List  U.S. - New Jersey - Special Health Hazards Substances List  U.S. - New Jersey - Water Quality - Ground Water Quality Criteria  U.S. - New Jersey - Water Quality - Practical Quantitation Levels (PQLs)  U.S. - New Mexico - Water Quality - Standards for Ground Water of 10,000 mg/L TDS Concentration or Less  U.S. - New York - Ambient Air Quality Standards  U.S. - New York - Priority Chemical Avoidance List  U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances  U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 8-Hour  U.S. - North Dakota - Ambient Air Quality Standards - Maximum Permissible Concentration  U.S. - North Dakota - Hazardous Wastes - Maximum Concentration for the Toxicity Characteristic  U.S. - North Dakota - Water Quality Standards - Aquatic Life Acute Value for Classes I, IA, II, III  U.S. - North Dakota - Water Quality Standards - Aquatic Life Chronic Value for Classes I, IA, II, III  U.S. - North Dakota - Water Quality Standards - Human Health Value for Classes I, IA, I  U.S. - Oklahoma - Primary Ambient Air Quality Standards  U.S. - Oklahoma - Secondary Ambient Air Quality Standards  U.S. - Oregon - Permissible Exposure Limits – TWAs  U.S. - Oregon - Priority Persistent Pollutant - Tier I - Persistent Pollutants  U.S. - California - Safer Consumer Products - Initial List of Candidate Chemicals and Chemical Groups  U.S. - Pennsylvania - Beneficial Use of Sewage Sludge by Land Application - Pollutant Ceiling Limits  U.S. - Pennsylvania - Drinking Water - Maximum Contaminant Levels (MCLs)  RTK - U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List  RTK - U.S. - Pennsylvania - RTK (Right to Know) List  U.S. - Rhode Island - Air Toxics - Acceptable Ambient Levels – Annual  U.S. - Rhode Island - Water Quality Standards - Acute Freshwater Aquatic Life Criteria  U.S. - Rhode Island - Water Quality Standards - Acute Saltwater Aquatic Life Criteria  U.S. - Rhode Island - Water Quality Standards - Chronic Freshwater Aquatic Life Criteria  U.S. - Rhode Island - Water Quality Standards - Chronic Saltwater Aquatic Life Criteria  U.S. - Tennessee - Ambient Air Quality Standards - Primary Standards  U.S. - Tennessee - Ambient Air Quality Standards - Secondary Standards  U.S. - Texas - Effects Screening Levels - Long Term  U.S. - Texas - Effects Screening Levels - Short Term  U.S. - Vermont - Hazardous Waste - Hazardous Constituents  U.S. - Vermont - Hazardous Waste - Maximum Contaminant Concentration for Toxicity  U.S. - Virginia - Water Quality Standards - Acute Freshwater Aquatic Life  U.S. - Virginia - Water Quality Standards - Acute Saltwater Aquatic Life  U.S. - Virginia - Water Quality Standards - Chronic Freshwater Aquatic Life  U.S. - Virginia - Water Quality Standards - Chronic Saltwater Aquatic Life  U.S. - Virginia - Water Quality Standards - Public Water Supply Effluent Limits  U.S. - Washington - Dangerous Waste - Dangerous Waste Constituents List  U.S. - Washington - Persistent Bioaccumulative Toxins  U.S. - West Virginia - Water Quality - Groundwater Standards - Ceiling Concentrations  U.S. - Alaska - Water Quality Standards - Acute Aquatic Life Criteria for Fresh Water  U.S. - Alaska - Water Quality Standards - Chronic Aquatic Life Criteria for Fresh Water  U.S. - Alaska - Water Quality Standards - Acute Aquatic Life Criteria for Marine Water  U.S. - Alaska - Water Quality Standards - Chronic Aquatic Life Criteria for Marine Water  U.S. - Alaska - Ambient Air Quality Standards  U.S. - Arkansas - Surface Water Quality Standards - Chronic Aquatic Life Criteria  U.S. - Arkansas - Surface Water Quality Standards - Acute Aquatic Life Criteria | |
| **Chromium (7440-47-3)** | |
| U.S. - California - Toxic Air Contaminant List (AB 1807, AB 2728)  U.S. - Colorado - Hazardous Wastes - Maximum Concentration for the Toxicity Characteristics  U.S. - Colorado - Primary Drinking Water Regulations - Maximum Contaminant Level Goals (MCLGs)  U.S. - Colorado - Primary Drinking Water Regulations - Maximum Contaminant Levels (MCLs)  U.S. - Connecticut - Drinking Water Quality Standards - Groundwater Sources  U.S. - Connecticut - Drinking Water Quality Standards - Maximum Contaminant Levels  U.S. - Connecticut - Hazardous Air Pollutants - HLVs (30 min)  U.S. - Connecticut - Hazardous Air Pollutants - HLVs (8 hr)  U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities  U.S. - Florida - Drinking Water Standards - Inorganic Contaminants - Maximum Contaminant Levels (MCLs)  U.S. - Georgia - Drinking Water - Maximum Contaminant Levels (MCLs)  U.S. - Idaho - Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)  U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations  U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)  U.S. - Idaho - Occupational Exposure Limits - TWAs U.S. - Illinois - Toxic Air Contaminants  U.S. - Louisiana - Reportable Quantity List for Pollutants  U.S. - Maine - Air Pollutants - Hazardous Air Pollutants  U.S. - Maryland - Surface Water Quality Standards - Consumption of Water and Organisms  U.S. - Massachusetts - Allowable Ambient Limits (AALs)  U.S. - Massachusetts - Allowable Threshold Concentrations (ATCs)  U.S. - Massachusetts - Drinking Water - Maximum Contaminant Levels (MCLs)  U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 1  U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 2  U.S. - Massachusetts - Oil & Hazardous Material List - Reportable Quantity  U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 1  U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 2 RTK –  U.S. - Massachusetts - Right To Know List  U.S. - Massachusetts - Threshold Effects Exposure Limits (TELs)  U.S. - Massachusetts - Toxics Use Reduction Act  U.S. - Michigan - Occupational Exposure Limits - TWAs  U.S. - Michigan - Polluting Materials List  U.S. - Minnesota - Hazardous Substance List  U.S. - Minnesota - Permissible Exposure Limits - TWAs  U.S. - Missouri - Drinking Water - Maximum Contaminant Levels (MCLs)  U.S. - Nebraska - Drinking Water - Maximum Contaminant Levels (MCLs)  U.S. - Nebraska - Maximum Concentration of Contaminants for the Toxicity Characteristic  U.S. - New Hampshire - Drinking Water - Maximum Contaminant Levels (MCLs)  U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour  U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual  U.S. - New Jersey - Discharge Prevention - List of Hazardous Substances  U.S. - New Jersey - Environmental Hazardous Substances List  U.S. - New Jersey - Primary Drinking Water Standards - Maximum Contaminant Levels - MCLs RTK –  U.S. - New Jersey - Right to Know Hazardous Substance List  U.S. - New Jersey - Special Health Hazards Substances List  U.S. - New Jersey - Water Quality - Ground Water Quality Criteria  U.S. - New Jersey - Water Quality - Practical Quantitation Levels (PQLs)  U.S. - New Mexico - Water Quality - Standards for Ground Water of 10,000 mg/L TDS Concentration or Less U.S. - New York - Occupational Exposure Limits - TWAs  U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances  U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 8-Hour  U.S. - North Dakota - Hazardous Wastes - Maximum Concentration for the Toxicity Characteristic  U.S. - Oregon - Permissible Exposure Limits - TWAs  U.S. - Pennsylvania - Drinking Water - Maximum Contaminant Levels (MCLs)  RTK - U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List  RTK - U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances  RTK - U.S. - Pennsylvania –  RTK (Right to Know) List  U.S. - South Carolina - Maximum Contaminant Levels (MCLs)  U.S. - Tennessee - Occupational Exposure Limits - TWAs  U.S. - Texas - Drinking Water Standards - Maximum Contaminant Levels (MCLs)  U.S. - Texas - Effects Screening Levels - Long Term  U.S. - Texas - Effects Screening Levels - Short Term  U.S. - Utah - Drinking Water - Maximum Contaminant Levels (MCLs)  U.S. - Vermont - Hazardous Waste - Hazardous Constituents  U.S. - Vermont - Hazardous Waste - Maximum Contaminant Concentration for Toxicity  U.S. - Vermont - Permissible Exposure Limits - TWAs  U.S. - Washington - Dangerous Waste - Dangerous Waste Constituents List  U.S. - Washington - Permissible Exposure Limits - TWAs  U.S. - West Virginia - Water Quality - Groundwater Standards - Ceiling Concentrations  U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions from Stack Heights 25 Feet to Less Than 40 Feet  U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions from Stack Heights 40 Feet to Less Than 75 Feet  U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions from Stack Heights 75 Feet or Greater U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights Less Than 25 Feet | |
| **Titanium dioxide (13463-67-7)** | |
| U.S. - Connecticut - Hazardous Air Pollutants - HLVs (30 min)  U.S. - Connecticut - Hazardous Air Pollutants - HLVs (8 hr)  U.S. - Idaho - Occupational Exposure Limits - TWAs  U.S. - Illinois - Toxic Air Contaminant Carcinogens  RTK - U.S. - Massachusetts - Right to Know List  U.S. - Michigan - Occupational Exposure Limits - TWAs  U.S. - Minnesota - Chemicals of High Concern  U.S. - Minnesota - Hazardous Substance List  U.S. - Minnesota - Permissible Exposure Limits - TWAs  U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour  U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual  RTK - U.S. - New Jersey - Right to Know Hazardous Substance List  U.S. - New York - Occupational Exposure Limits - TWAs  U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 8-Hour  U.S. - Oregon - Permissible Exposure Limits - TWAs  RTK - U.S. - Pennsylvania - RTK (Right to Know) List  U.S. - Tennessee - Occupational Exposure Limits - TWAs  U.S. - Texas - Effects Screening Levels - Long Term  U.S. - Texas - Effects Screening Levels - Short Term  U.S. - Vermont - Permissible Exposure Limits - TWAs  U.S. - Washington - Permissible Exposure Limits - STELs  U.S. - Washington - Permissible Exposure Limits - TWAs | |

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| **SECTION 16: OTHER INFORMTION, INCLUDING DATE OF PREPARATION/LAST REVISION** |

**16.1 Revision Date:** 08/03/2018

**16.2 Other Information**

* This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 191 0.1200.

**GHS Full Text Phrases**:

|  |  |
| --- | --- |
| Aquatic Acute 1 | Hazardous to the aquatic environment - Acute Hazard Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment - Chronic Hazard Category 1 |
| Carc. 1B | Carcinogenicity Category 1B |
| Carc. 2 | Carcinogenicity Category 2 |
| Comb. Dust | May form combustible dust concentrations in air |
| Repr. 1A | Reproductive toxicity Category 1A |
| STOT RE 1 | Specific target organ toxicity (repeated exposure) Category 1 |

|  |  |
| --- | --- |
| H350 | May cause cancer |
| H351 | Suspected of causing cancer |
| H360 | May damage fertility or the unborn child |
| H372 | Causes damage to organs through prolonged or repeated exposure |
| H400 | Very toxic to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*