# PRECISION COATINGS
# MATERIAL SAFETY DATA SHEET

**Section 1. Product and Company Identification**

| | |
|---|---|
| Material Name | EeZeClean Dry Erase White |
| MSDS Number | 53130 |
| Version Number | 04 |
| Revision Date | 07/21/2014 |
| CAS Number | Mixture |
| Product Code | 53130 |
| Product Use | Dry Erase Coating |
| Manufacture Supplier | Precision Coatings |
| Address | 1940 E. Trafficway<br>Springfield, MO 65802 |
| Telephone | 417-862-5738 |
| FAX | 417-862-8874 |
| 24 Hour Emergency Telephone | 800-424-9300 Chemtrec Contract CCN675735 |
| Preparation Information | Precision Coatings Product Safety 800-340-6780 |

**Section 2. Hazards Identification**

| | |
|---|---|
| Physical state | Liquid |
| Appearance | Opaque liquid |
| Emergency overview | WARNING<br>Combustible liquid and vapor<br>Skin and eye irritant<br>Vapor harmful<br>Harmful or fatal if swallowed |
| OSHA regulatory status | This product is considered hazardous under 29 CFR 1910.1200 |
| Potential health effects | |
| Routes of exposure | |
| Eye contact | Causes eye irritation |
| Skin contact | Causes skin irritation |
| Inhalation | Vapors can cause irritation of the respiratory tract, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness. |
| Ingestion | May cause gastrointestinal irritation and damage to the lining of the gastrointestinal tract. Aspiration of material into the lungs may cause chemical pneumonitis, which can be fatal. |
| Target organs | Eyes, skin, respiratory tract, central nervous system |
| Chronic effects | May cause liver disorder (e.g., edema, proteinuria) and damage. May cause kidney damage. Prolonged or continuous inhalation of vapors may result in lung damage. |
| Signs and symptoms | Skin and eye irritation. Respiratory tract irritation. Vapors may cause drowsiness, and dizziness. |
| Potential environmental effects | This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful effect on the environment. |

**Section 3. Composition / Information on Ingredients**

| Components | CAS # | Percent |
|---|---|---|
| Titanium dioxide | 13463-67-7 | 38-47 |
| Parachlorobenzotrifluoride | 98-56-6 | 6-7 |
| Aluminum hydroxide | 21645-51-2 | 0-5 |
| Silicon dioxide, amorphous | 7631-86-9 | 0-5 |
| Octamethylcyclotetrasiloxane | 556-67-2 | 0.06 |

**Section 4. First Aid Measures**

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| Eye Contact | Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention promptly. |
| Skin Contact | Wash with soap and water. Get medical attention if irritation develops or persists. Remove contaminated shoes and clothes and clean before reuse. |
| Inhalation | Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. |
| Ingestion | Do not induce vomiting. Do not give liquids. Obtain emergency medical attention |

**Section 5. Fire Fighting Measures**

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|---|---|
| Flash Point (TCC) | 109º F, 42.8º C |
| Lower Explosive Limit, % | Not Determined |
| Upper Explosive Limit, % | Not Determined |
| Auto-Ignition Temperature | Not Determined |
| Extinguishing Media | Carbon Dioxide, Dry Chemical, Foam, Water Fog |
| Unusual Fire and Explosion Hazards | Combustible liquid and vapor. Vapors can travel to a source of ignition and flash back. Empty containers retain product residue (liquid and vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such container to heat, flame, sparks, static electricity, or other sources of ignition. Also, do not reuse container without commercial cleaning or reconditioning. Closed container may explode under extreme heat. |
| Special Firefighting Procedures | As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Evacuate all unnecessary personnel. Shut down motors, pumps, electrical service and eliminate all sources of ignition. Water spray to cool containers or protect personnel. Use with caution. |

**Section 6. Accidental Release Measures**

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| Personal Precautions | Use personal protective equipment. Avoid breathing vapors and contact with skin and eyes. Ensure adequate ventilation. Remove all sources of ignition. Evacuate unnecessary personnel. |
| Environmental Precautions | Prevent additional discharge of material if able to do so safely. Avoid discharge into drains, water courses or onto the ground. |
| Methods for Clean up | Ventilate area. Absorb spill with inert material (e.g. dry sand or earth). Remove with non-sparking tools and place in a chemical waste container. Dispose in accordance with all federal, state and local regulations. When discarded, this material is a hazardous waste. |

**Section 7. Handling and Storage**

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| Handling | Use only in well ventilated area. Avoid breathing vapor, fumes or mist. Avoid contact with eyes, skin and clothing. Ground and bond containers when transferring material. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored or processed. Wash hands and contaminated areas with soap and water after handling. |
| Storage | Keep away from heat, sparks and flame. Store in tightly closed original container in a cool, dry and well ventilated place. Do not store above 120º F. |

**Section 8. Exposure Controls / Personal Protection**

**Occupational exposure limits**

**U.S. ACGIH Threshold Limit Values**

| Components | Type | Value | Form |
|---|---|---|---|
| Aluminum hydroxide (21645-51-2) | TWA | 1 mg/m3 | Respirable fraction |
| Titanium dioxide (13463-67-7) | TWA | 10 mg/m3 | |

**U.S. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

| Components | Type | Value | Form |
|---|---|---|---|
| Titanium dioxide (13463-67-7) | PEL | 15mg/m3 | Total dust |

**U.S. OSHA Table Z-3 (29 CFR 1910.1000)**

| Components | Type | Value | Form |
|---|---|---|---|
| Silicon dioxide (7631-86-9) | TWA | 0.8 mg/m3<br>20 mppcf | |

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

**Eye / Face protection** Wear chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

**Skin Protection** Wear impervious gloves to prevent contact with the skin. Wear protective gear as needed – apron, suit, boots

**Respiratory protection** Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during application and handling unless air monitoring demonstrates vapor/mist levels below applicable limits. Follow respirator manufacturer's recommendations for selection and use. Do not permit anyone without protection in the painting area.

**General hygiene considerations** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned. Do not eat, drink or smoke when using the product. Handle in accordance with good industrial hygiene and safety practice.

**Section 9. Physical & Chemical Properties**

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|---|---|
| **Appearance** | Opaque liquid |
| **Color** | White |
| **Odor** | Naphthalenic odor |
| **Odor threshold** | Not available |
| **Physical state** | Liquid |
| **Form** | Liquid |
| **pH** | Not available |
| **Melting point** | Not available |
| **Freezing point** | Not available |
| **Boiling point** | 282º F (139º C) |
| **Flash point** | 109º F (42.8º C) |
| **Evaporation rate** | < 1 (n-BuAc=1) |
| **Flammability limits in air, upper, % by volume** | Not available |
| **Flammability limits in air, lower, % by volume** | Not available |
| **Vapor pressure** | Not available |
| **Vapor density** | ➢ 1 Air = 1 |
| **Specific gravity** | 1.7516 |
| **Solubility (water)** | Not available |
| **Partition coefficient (n-octanol/water)** | Not available |
| **Auto-ignition temperature** | Not available |
| **Decomposition temperature** | Not available |
| **VOC as mixed (less water and exempt compounds)** | 89 grams per liter |

**Section 10. Chemical Stability & Reactivity Information**

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|---|---|
| **Chemical Stability** | Stable at normal conditions |
| **Conditions to avoid** | Contact with incompatible materials. Keep away from heat, sparks, and flame |
| **Incompatible materials** | Strong oxidizing agents. Strong acids. |
| **Hazardous decomposition products** | Chlorine containing gasses can be produced<br>Fluorine containing gases can be produced |

**Possibility of hazardous reactions** Hazardous polymerization does not occur

**Section 11. Toxicological Information**

**Acute effects** Causes eye, skin and respiratory tract irritation. Vapors and spray mists may cause dizziness, weakness, fatigue, nausea, headache and possible unconsciousness. Ingestion may cause gastrointestinal irritation and damage to the lining of the gastrointestinal tract. Aspiration of material into the lungs may cause chemical pneumonitis, which can be fatal.

**Sensitization** Not a skin sensitizer

**Chronic effects** May cause liver disorder (e.g., edema, proteinuria) and damage. May cause kidney damage. Prolonged or continuous inhalation of vapors may result in lung damage.

**Carcinogenicity** Potentially carcinogenic components are typically only present in trace amounts. Due to the form of the product, exposure to the potentially carcinogenic components is not expected.

**ACGIH Carcinogens**

| | |
|---|---|
| Titanium dioxide (CAS 13463-67-7) | A4 Not classifiable as a human carcinogen |

**IARC Monographs. Overall Evaluation of Carcinogenicity**

| | |
|---|---|
| Silicon dioxide (CAS 7631-86-9) | 3 Not classifiable as to carcinogenicity to humans |
| Titanium dioxide (CAS 13463-67-7) | 2B Possibly carcinogenic to humans |

**Mutagenicity** No data available

**Symptoms and target Organs** Eyes, skin and respiratory tract irritation.

**Further information** None known

**Section 12. Ecological Information**

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

**Environmental effects** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal

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

**Bioaccumulation / Accumulation** No data available

**Mobility in environmental media** The product is miscible with water. May spread in water systems.

**Partition coefficient (n-octanol/water)** Not available.

**Section 13. Disposal Considerations**

**Waste codes** D001: Waste Flammable material with a flash point <140°F.

**Disposal instructions** Do not allow this material to drain into sewers/water supplies. This product, in its present state, when discarded or disposed of, may be a hazardous waste according to Federal regulations (40 CFR 261.4 (b) (4). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

| | |
|---|---|
| **Waste from residues / unused products** | Dispose in accordance with applicable federal, state, and local regulations. |
| **Contaminated packaging** | Since emptied containers may retain product residue, follow label warnings even after container is emptied. |

**Section 14. Transport Information**

**DOT**

| | |
|---|---|
| **Basic shipping requirements:** | |
| **UN number** | UN1263 |
| **Proper shipping name** | Paint |
| **Hazard class** | Combustible Liquid |
| **Labels required** | 3 |
| **Additional information:** | |
| **Special provisions** | B1, B52, IB3, T2, TP1 |
| **Packaging exceptions** | 150 |
| **Packaging non bulk** | 173 |
| **Packaging bulk** | 242 |

**IATA**

| | |
|---|---|
| **Basic shipping requirements:** | |
| **UN Number** | 1263 |
| **Proper shipping name** | Paint |
| **Hazard class** | 3 |
| **Packing group** | III |
| **Additional information:** | |
| **ERG code** | 3L |

**Section 15. Regulatory Information**

**US federal regulations** This product is hazardous according to OSHA 29 CFR 1910.1200

**US EPCRA (SARA Title III) Section 313 – Toxic Chemical: De minimis concentration**
None

**US EPCRA (SARA Title III) Section 313 – Toxic Chemical: Listed substance**
None

**CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)**
None

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

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

| | |
|---|---|
| **Section 302 extremely Hazardous substance (40 CFR 355, Appendix A)** | No |
| **Section 311/312 (40 CFR 370** | No |

**Inventory Status**

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

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

**State regulations** WARNING: This product contains chemicals known to the State of California to cause cancer.

**US – California Hazardous Substances (Director's): Listed substance**
Silicon dioxide (CAS 7631-86-9) Listed

**US – California Proposition 65 – CRT: Listed date/Carcinogenic substance**
Titanium Dioxide (CAS 13463-67-7) Listed: September 2, 2011 Carcinogenic

**US – Massachusetts RTK – Substance: Listed substance**
Silicon dioxide (CAS 7631-86-9) Listed
Titanium Dioxide (CAS 13463-67-7) Listed

**US – New Jersey RTK – Substances: Listed substance**
Silicon dioxide (CAS 7631-86-9) Listed
Titanium Dioxide (CAS 13463-67-7) Listed

**US – Pennsylvania RTK – Hazardous Substances: Listed substance**
Silicon dioxide (CAS 7631-86-9) Listed
Titanium Dioxide (CAS 13463-67-7) Listed

## Section 16. Other Information

**Further information** HMIS® is a registered trade and service mark of the NPCA

**HMIS® ratings**
Health: 1
Flammability: 2
Physical hazard: 1

**NFPA ratings**
Health: 1
Flammability: 2
Instability: 1

**Disclaimer** The information in the sheet was written based on the best knowledge and experience currently available.

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