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SECTION 1: Product Identification

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|------------------------|---|
| Product name | (Cyclopentadienyl)(3-trimethylsiloxypropylcyclopentadienyl)zirconium dichloride |
| CAS # | Not available |
| Catalog # | 0401750 |
| Chemical family | Cyclopentadienyl metal complexes |

SECTION 2: Composition, Information on Ingredients

| Component | CAS # | EINECS # | Hazard Symbol | R-Phrase |
|---|---------------|-----------------|----------------------|-----------------|
| (Cyclopentadienyl)(3-trimethylsiloxypropylcyclopentadienyl)zirconium dichloride | Not available | none | none | none |

SECTION 3: Hazard Identification

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| Emergency overview | Irritating to eyes, skin, and respiratory tract. |
| Eye contact | May cause mild irritation of the eyes. |
| Skin contact | May cause mild irritation of the skin. |
| Inhalation | Irritating to nose, mucous membranes and respiratory tract. |
| Ingestion | No information available. |
| Chronic health effects | No information available on long-term chronic effect. |

SECTION 4: First Aid Measures

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| Eye exposure | Immediately flush eyes with plenty amount of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid. |
| Skin exposure | Get medical aid. Flush skin with water for at least 15 minutes while removing contaminated clothing and shoes if it is necessary. |
| Inhalation | Remove from exposure to fresh air. |
| Ingestion | If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid. |

SECTION 5: Fire Fighting Measures

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| General information | If this material is involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing. If involved in a fire this material may emit toxic fumes. |
| Extinguishing media | Use dry chemical or carbon dioxide. |

SECTION 6: Accidental Release Measures

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| Spill and leak procedures | Small spills can be mixed with vermiculite or sodium carbonate or other inert noncombustible material and swept up. |
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| SECTION 7: Handling and Storage | |
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| Handling | Avoid prolonged exposure to the moisture. Handle material in a dry atmosphere. |
| Storage | Store in a cool, dry place. Store in the tightly closed container. Keep under an argon. |
| SECTION 8: Exposure Controls and Personal Protection | |
| Eye protection | Always wear approved safety glasses when handling a chemical substance in the laboratory. |
| Skin protection | Wear protective gloves. |
| Ventilation | If possible, handle the material in an efficient fume hood. |
| Respirator | If ventilation is not available a respirator should be worn. The use of respirators requires Respirator Protection Program to be in compliance with 29CFR 1910.134. |
| SECTION 9: Physical and Chemical Properties | |
| Appearance | Off-white fine crystalline pwdr. |
| Odor | None |
| Melting point | None |
| Boiling point | No data |
| Flash point | No data |
| Specific gravity | No data |
| Solubility | No data |
| Molecular formula | C ₁₆ H ₂₄ Cl ₂ OSiZr |
| Molecular weight | 422.58 |
| SECTION 10: Stability and Reactivity | |
| Stability | Moisture-sensitive solid. |
| Hazardous polymerization | No hazardous polymerization. |
| Conditions to avoid | Exposure of the air. |
| Incompatibilities with other materials | Water, strong oxidizing agents. |
| Hazardous decomposition products | Carbon monoxide, carbon dioxide, hydrogen chloride, zirconium oxide, organic fumes. |
| SECTION 11: Toxicological Information | |
| RTECS Data | No data available. |
| Carcinogenic effects | No data available. |
| Mutagenic effects | No data available. |
| Tetratogenic effects | No data available. |
| SECTION 12: Ecological Information | |
| Ecological information | No information available. |
| SECTION 13: Disposal Considerations | |
| Dispose of in a manner consistent with federal, state, and local regulations. | |

| SECTION 14: Transport Information | |
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| Shipping name (CFR) | Non hazardous |
| Hazard class (CFR) | NA |
| Additional hazard class (CFR) | NA |
| Packing group (CFR) | NA |
| UN ID number (CFR) | NA |
| Shipping name (IATA) | Non hazardous |
| Hazard class (IATA) | NA |
| Additional hazard class (IATA) | NA |
| Packing group (IATA) | NA |
| UN ID number (IATA) | NA |
| SECTION 15: Regulatory Information | |
| TSCA | No data available. |
| SARA | No data available. |
| SECTION 16: Other Information | |
| Preparation date | 07.02.06 |
| Revision date | 17.02.06 |
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