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SECTION 1: Product Identification

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|------------------------|--|
| Product name | Dimethoxybis(methylcyclopentadienyl)zirconium, 98% |
| CAS # | Not available |
| Catalog # | 0402650 |
| Chemical family | Cyclopentadienyl metal complexes |

SECTION 2: Composition, Information on Ingredients

| Component | % | CAS # | EINECS # | Hazard Symbol | R-Phrase |
|---|----------|---------------|-----------------|----------------------|-----------------|
| Dimethoxybis(methylcyclopentadienyl)zirconium | 98 | Not available | none | XI | 36/37/38 |

SECTION 3: Hazard Identification

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| Emergency overview | Irritating to eyes, respiratory system and skin. Moisture sensitive. |
| Eye contact | Causes slight to mild eye irritation. |
| Skin contact | Causes slight to mild skin irritation. |
| Inhalation | Under inhalation causes nose, respiratory tract and mucous membranes irritation. |
| Ingestion | May cause irritation of the digestive tract. |
| Chronic health effects | No information available. |

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 emits toxic fumes. |
| Extinguishing media | Use dry chemical, carbon dioxide, or chemical foam. |

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 breathing dust. Avoid contact with skin and eyes. Avoid contact with moisture. |
| Storage | Store in a cool, dry place. Store in the tightly closed container under inert atmosphere of argon or nitrogen. Avoid contact with moisture. |
| 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 | Handle 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 | slight-yellow solid |
| Odor | Not determined |
| Melting point | No data |
| Boiling point | No data |
| Flash point | No data |
| Specific gravity | No data |
| Solubility | Not available |
| Molecular formula | C ₁₄ H ₂₀ O ₂ Zr |
| Molecular weight | 311.53 |
| SECTION 10: Stability and Reactivity | |
| Stability | Moisture-sensitive solid. |
| Hazardous polymerization | No hazardous polymerization. |
| Conditions to avoid | Incompatible materials, exposure to moist air or water. |
| Incompatibilities with other materials | Water, strong oxidizing agents. |
| Hazardous decomposition products | Carbon monoxide, carbon dioxide, zirconium oxide and organic fumes. |
| SECTION 11: Toxicological Information | |
| RTECS Data | unlisted. |
| Carcinogenic effects | No data available. |
| Mutagenic effects | No data available. |
| Teratogenic 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 | Not listed on the TSCA inventory. |
| SARA | Not reportable under SARA Title 313. |
| SECTION 16: Other Information | |
| Preparation date | 12.12.06 |
| Revision date | 12.12.06 |
| <p>The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.</p> | |