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SECTION 1: Product Identification

Product name	Methylcyclopentadienylzirconium trichloride
CAS #	Not available
Catalog #	0403050
Chemical family	Cyclopentadienylmetal complex

SECTION 2: Composition, Information on Ingredients

Component	%	CAS #	EINECS #	Hazard Symbol	R-Phrase
Methylcyclopentadienyl-zirconium trichloride		NA	NA	C	R34

SECTION 3: Hazard Identification

Emergency overview	Corrosive. May cause burns. Moisture sensitive.
Eye contact	May cause mild to severe irritation of the eyes.
Skin contact	May cause mild to severe irritation of the skin.
Inhalation	May cause burns of the respiratory tract. Inhalation may result in spasm, inflammation.
Ingestion	May cause burns of the gastrointestinal tract.
Chronic health effects	Not available.

SECTION 4: First Aid Measures

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. If not breathing give artificial respiration. If breathing is difficult, give oxygen.
Ingestion	If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid. Induce vomiting only if medical directed.

SECTION 5: Fire Fighting Measures

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, carbon dioxide, chemical foam.

SECTION 6: Accidental Release Measures

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	
Handling	Avoid breathing dust. Avoid contact with skin, eyes and clothing. Avoid contact with air and water.
Storage	Store in a cool, dry place. Store in a tightly closed container under inert atmosphere of argon or nitrogen.
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	Work with this product in a well-ventilated area, preferably a 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	Yellow fine crystalline pwdr.
Odor	NA
Melting point	NA
Boiling point	NA
Flash point	NA
Specific gravity	NA
Solubility	Insoluble
Molecular formula	C ₆ H ₇ Cl ₃ Zr
Molecular weight	276.70
SECTION 10: Stability and Reactivity	
Stability	Air and moisture sensitive.
Hazardous polymerization	No hazardous polymerization.
Conditions to avoid	Incompatible materials, contact with air and water.
Incompatibilities with other materials	Strong oxidizing agents, water
Hazardous decomposition products	Carbon monoxide, carbon dioxide, hydrogen chloride gas.
SECTION 11: Toxicological Information	
RTECS Data	Unlisted
Carcinogenic effects	No data available.
Mutagenic effects	No data available.
Tetragenic 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	
Shipping name (CFR)	Corrosive solid, acidic organic, N.O.S.
Hazard class (CFR)	8
Additional hazard class (CFR)	NA
Packing group (CFR)	II
UN ID number (CFR)	3261
Shipping name (IATA)	Corrosive solid, acidic organic, N.O.S.
Hazard class (IATA)	8
Additional hazard class (IATA)	NA
Packing group (IATA)	II
UN ID number (IATA)	3261
SECTION 15: Regulatory Information	
TSCA	Not listed in the TSCA inventory
SARA	Not listed
SECTION 16: Other Information	
Preparation date	02.05.07
Revision date	02.05.07
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