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SECTION 1: Product Identification

Product name	Cyclopentadienyl(n-butylcyclopentadienyl)zirconium dichloride
CAS #	Not available
Catalog #	0402250
Chemical family	Cyclopentadienyl metal derivatives

SECTION 2: Composition, Information on Ingredients

Component	CAS #	EINECS #	Hazard Symbol	R-Phrase
Cyclopentadienyl-(n-butylcyclopentadienyl)zirconium dichloride	Not available	none	none	none

SECTION 3: Hazard Identification

Emergency overview	May cause slight irritation of the eyes and respiratory tract. Moisture sensitive.
Eye contact	May cause slight irritation of the eyes.
Skin contact	May cause slight irritation of the skin.
Inhalation	May be irritating to the nose, mucous membranes and respiratory tract.
Ingestion	No information available.
Chronic health effects	No information available.

SECTION 4: First Aid Measures

Eye exposure	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid immediately.
Skin exposure	Wash the affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.
Inhalation	Remove from exposure to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, pain, etc. In such cases seek immediate medical assistance.
Ingestion	If victim is conscious, give 2-4 cupfuls of water. Get medical aid.

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 organic fumes.
Extinguishing media	Use carbon dioxide, dry powder or foam.

SECTION 6: Accidental Release Measures

Spill and leak procedures	Small spills can be mixed with vermiculite or sodium carbonate and swept up.
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SECTION 7: Handling and Storage	
Handling	Do not get in eyes, on skin, or on clothing. Handle material under an inert atmosphere of nitrogen or argon. Don't allow contact with air and water.
Storage	Store in a cool, dry place. Store in a tightly closed container. Store under an inert atmosphere of nitrogen or 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	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	Colorless xtl.
Odor	None
Melting point	No data
Boiling point	No data
Flash point	No data
Solubility in water	No data
Specific gravity	No data
Molecular formula	C ₁₄ H ₁₈ Cl ₂ Zr
Molecular weight	348.42
SECTION 10: Stability and Reactivity	
Stability	Moisture-sensitive solid.
Hazardous polymerization	No hazardous polymerization
Conditions to avoid	Contact with moisture, prolonged exposure to the air.
Incompatibilities with other materials	Strong oxidizing agents, acids, bases, chemically active metals.
Hazardous decomposition products	Carbon monoxide, carbon dioxide, zirconium oxides, hydrogen chloride and organic fumes.
SECTION 11: Toxicological Information	
RTECS Data	No information available in the RTECS files.
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)	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	10.04.06
Revision date	10.04.06
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