

Material Safety Data Sheet

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TEE. 17 (0012) 100 172, 11ML 17 (0012) 100 177						
SECTION 1: Product Identification						
Product name	,		ino)bis(cyclop	entadienyl)zirc	onium, 98%	
CAS#	Not available					
Catalog #	0402960					
Chemical family	Cyclopentadienyl metal amides					
SECTION 2: Composition, Information on Ingredients						
	CHON					D D1
Component		%	CAS#	EINECS #	Hazard Symbol	R-Phrase
Bis(dimethylamino)bis		98	Not	none	F	10
(cyclopentadienyl)zirconium			available			
	~			1.7.1		
SECTION 3: Hazard Identification						
Emergency overview	Flammable. 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	May cause mild irritation of the respiratory tract.					
Ingestion	No information available about toxicological effect of the ingestion.					
Chronic health effects	Not avai	lable.				
		~- ~				
			ION 4: First			
Eye exposure		•	• •	•	or at least 15 minute	s, occasionally
G1.4	lifting the upper and lower eyelids. Get medical aid immediately.					
Skin exposure		t medical aid immediately. Immediately flush skin with plenty of water for at				
T 1 1 4	least 15 minutes while removing contaminated clothing and shoes.					
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	Don't induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk					
Ingestion			edical aid imm		and alort, give 2 4 c	aprais of finik
	or water	. 301 111	Carcar ara mini	caracery.		
SECTION 5: Fire Fighting Measures						
General information						ld he equipped
General information	Flammable. If this material is involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus					
					a fire this material n	
	organic					Come
Extinguishing media		Use foam, dry chemical, or carbon dioxide. Do not use water!				
SECTION 6: Accidental Release Measures						
Spill and leak	Small spills can be mixed with vermiculite or sodium carbonate or other inert					
procedures	material and swept up.					
F			T I.			

SECTION 7: Handling and Storage					
Handling	Don't breathe dust, vapor, mist, or gas. Don't get in eyes, on skin, or on clothing. Use and store under nitrogen.				
Storage	Store in a cool, dry place. Store in a tightly closed container under an inert				
Storage	atmosphere of nitrogen and argon. Flammable area.				
	dunosphere of introgen and argon. I familiable area.				
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	Always handle material in an efficient fume hood.				
Respirator	If ventilation is not available a respirator should be worn. The use of respirators				
Respirator	requires Respirator Protection Program to be in compliance with 29CFR				
	1910.134.				
	.				
	SECTION 9: Physical and Chemical Properties				
Appearance	Yellow xtl.				
Odor	None				
Melting point	No data				
Boiling point	No data				
Flash point	No data				
Solubility in water	Insoluble				
Specific gravity	No data				
Molecular formula	C14H22N2Zr				
Molecular weight	309.57				
	SECTION 10: Stability and Reactivity				
Stability	Air and moisture sensitive solid.				
Hazardous	No hazardous polymerization				
polymerization	140 hazardous porymenzation				
Conditions to avoid	Prolonged contact with water and air.				
Incompatibilities with	Water, air, oxidizing agents, halogens.				
other materials					
Hazardous decompo-	Carbon monoxide, carbon dioxide, zirconium oxide, nitrogen oxide, organic				
sition products	fumes.				
DET CO T	SECTION 11: Toxicological Information				
RTECS Data	No information available in the RTECS files.				
Carcinogenic effects	No data available.				
Mutagenic effects	No data available.				
Tetratogenic effects	No data available.				
	SECTION 12: Ecological Information				
Ecological	No information available.				
information					
SECTION 13: Disposal Considerations					
Dispose of in a manner consistent with federal, state, and local regulations.					

	SECTION 14: Transport Information				
Shipping name (CFR)	Flammable solid, organic, N.O.S.				
Hazard class (CFR)	4.1				
Additional hazard	NA				
class (CFR)					
Packing group (CFR)	II				
UN ID number (CFR)	1325				
Shipping name	Flammable solid, organic, N.O.S.				
(IATA)					
Hazard class (IATA)	4.1				
Additional hazard	NA				
class (IATA)					
Packing group					
(IATA)					
UN ID number	1325				
(IATA)					
SECTION 15: Regulatory Information					
TSCA	Not listed in the TSCA inventory				
SARA	Not reportable under SARA Title 313.				
SAKA	1 Not reportable under SARA True 313.				
SECTION 16: Other Information					
Preparation date	27.11.08				
Revision date	27.11.08				

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