

Material Safety Data Sheet

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			DN 1: Produc			
Product name	Tris(t-butoxy)cyclopentadienylzirconium, 98%					
CAS #	Not available					
Catalog #	0403370					
Chemical family	Cyclopentadienyl metal derivatives					
SECTION 2: Composition, Information on Ingredients						
Component		%	CAS #	EINECS #	Hazard Symbol	R-Phrase
Tris(t-butoxy)-		98	Not	none	F	10
cyclopentadienylzirconium			available			36/37/38
SECTION 3: Hazard Identification						
Emergency overview	Flammable. Irritating to the 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 available.					
	S	ECT	ION 4: First	Aid Measures	S	
Eye exposure	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally					
	lifting the upper and lower eyelids. Get medical aid immediately.					
Skin exposure	Get medical aid immediately. Immediately flush skin with plenty of water for at					
	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					
The second second	seek immediate medical assistance.					
Ingestion	Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.					2-4 cupruis of
	IIIIK OI W		Jet medical alu	mineuratery.		
SECTION 5. Fire Fighting Maggures						
General information	SECTION 5: Fire Fighting Measures					ters should be
General mitor mation	Flammable liquid. If this material is involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self contained breathing					
	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					material may
Extinguishing media		Use foam, dry chemical, or carbon dioxide.				
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.					
Proclutics	materia a	10.5W	opt up.			

	SECTION 7: Handling and Storage				
Handling	Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Handle material under inert atmosphere of argon or nitrogen.				
Storage	Store in a cool, dry place. Store in a tightly closed container under iner				
	atmosphere of nitrogen and argon. Keep away from the sources of ignition, hea				
	and direct sunlight. Flammable area.				
SEC	CTION 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				
	requires Respirator Protection Program to be in compliance with 29Cl				
	1910.134.				
	SECTION 9: Physical and Chemical Properties				
Appearance	From pale yellow liquid to melted solid				
Odor	None				
Melting point	No data				
Boiling point	No data				
Flash point	No data				
Solubility in water	No data				
Density Molecular formula	1 g/cm ³ C17H32O3Zr				
Molecular weight	375.66				
	575.00				
	SECTION 10. Stability and Basstivity				
Stability	SECTION 10: Stability and Reactivity Air and moisture sensitive liquid or solid.				
Hazardous	No hazardous polymerization.				
polymerization	No fiazardous porymenization.				
Conditions to avoid	Contact with moisture and air, contact with ignition sources.				
Incompatibilities with	Water, air, oxidizing agents, heat.				
other materials	v der, dr. oktobilig agento, nedu				
Hazardous decompo-	Carbon monoxide, carbon dioxide, hafnium oxide, organic fumes.				
sition products					
	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.				
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	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 liquid, N.O.S.				
Hazard class (CFR)	3				
Additional hazard	NA				
class (CFR)					
Packing group (CFR)	П				
UN ID number (CFR)	1993				
Shipping name	Flammable liquid, N.O.S.				
(IATA)					
Hazard class (IATA)	3				
Additional hazard	NA				
class (IATA)					
Packing group	II				
(IATA)					
UN ID number	1993				
(IATA)					
	SECTION 15: Regulatory Information				
TSCA	Not listed in the TSCA inventory				
SARA	Not reportable under SARA Title 313.				
SECTION 16: Other Information					
Preparation date	24.01.12				
Last revision date	24.01.12				
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.					