Material Safety Data Sheet

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DALCHEM

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	SECTIO	DN 1	: Product Iden	tification		
Product name						
CAS #	(t-Butylimido)tris(t-butoxy)tantalum, 98%					
Catalog #	0731150					
Chemical family	Organic metal derivatives					
	organie nietar e					
SE	CTION 2: Cor	nnas	ition Informat	ion on Ingr	edients	
Compone		<u>%</u>	CAS #	EINECS	Hazard	R-Phrase
Compone	Πt	10	CAD #	#	Symbol	K-I III asc
(t-Butylimido)tris(t-butoxy)tantalum		98	NA	none	F Xn	10 14 20/21/22
(t Dutyminuo)uns(t ou	(ong)tuittuituiti	20		none		10 11 20/21/22
			<u> </u>			
	SECTI	ON 3	: Hazard Ident	ification		
Emergency overview	Flammable liquid. Reacts with water. Harmful by inhalation, if swallowed and if					
	absorbed throug			2		
Eye contact	May cause irritation of the eyes.					
Skin contact	May cause irritation of the skin.					
Inhalation	Harmful if inhaled. May cause severe irritation of the respiratory tract.					
Ingestion	Harmful if swallowed.					
Chronic health effects	No available information about long-term effects.					
SECTION 4: First Aid Measures Eye exposure Immediately flush eyes with plenty of water for at least 15 minutes, occasionally						
_J • ••• F •••••	lifting the upper and lower eyelids. Get medical aid immediately.					•
Skin exposure	Wash the affected area with water. Remove contaminated clothes if nec					
•			ice if irritation pe			·
Inhalation	Remove from exposure to fresh air immediately. If not breathing, give artificial					
	respiration. If breathing is difficult, give oxygen. In such cases seek immediate medical assistance.					
Ingestion	Don't induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk					
	or water. Get m	edical	aid immediately	/.		
	SECTIC	N 5:	Fire Fighting	Measures		
General information	Flammable liquid. As in any fire, wear a self-contained breathing apparatus in					
	pressure-demand, MSHA/NIOSH (approved or equivalent), and full protectiv					
	gear. If involved in fire material may emit toxic fumes.					
Extinguishing media	Don't use water	Use:	dry chemical or	carbon dioxic	le.	
	SECTION	5: Ac	cidental Relea	use Measure		
Spill and leak	Small spills can be mixed with vermiculite or other suitable inert absorbents and					
procedures	placed in a suitable container. Ventilate area after material is removed.					
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	SECTION 7: Handling and Storage			
Handling	Avoid inhalation. Don't get in eyes, on skin or on clothing. Handle under an			
	inert atmosphere of argon or nitrogen. Keep away from water.			
Storage	Store in a cool, dry place. Keep away from heat, sparks and open flame. Avoid			
	contact with water. Store in a tightly closed container under an inert atmosphere.			
	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	Handling material in an efficient fume hood. Work with this substance in a well-			
Denstantes	ventilated area.			
Respirator	Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 140, Always use a NIOSH or European Standard EN 140 approved			
	Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.			
	respirator when necessary.			
	SECTION 0. Developland Chaminal Duranting			
	SECTION 9: Physical and Chemical Properties			
Appearance	Colourless liq.			
Odor	No data			
Melting point	No data			
Boiling point	No data			
Flash point	No data			
Solubility in water	Reacts with water			
Specific gravity	No data			
Molecular formula	C16H36NO3Ta			
Molecular weight	471.41			
	SECTION 10: Stability and Reactivity			
Stability	Air and moisture sensitive.			
Hazardous	No hazardous polymerization.			
polymerization				
Conditions to avoid	Avoid contact with moist air, water and ignition sources.			
Incompatibilities with	Strong oxidizing agents.			
other materials				
Hazardous decompo-	Carbon monoxide, carbon dioxide, nitrogen oxides, tantalum oxides.			
sition products				
	SECTION 11: Toxicological Information			
RTECS Data	No data available.			
Carcinogenic effects	No data available.			
Mutagenic effects	No data available.			
Tetratogenic effects	No data available.			
	SECTION 12, Ecological Information			
D = -1 = -2 = -1	SECTION 12: Ecological Information			
Ecological information	No information available.			
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SECTION 13: Disposal Considerations

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Dispose	of in a manner consistent with federal, state, and local regulations.
	SECTION 14: Transport Information
Shipping name (CFR)	Organometallic substance, liquid, water-reactive, flammable*
Hazard class (CFR)	4.3
Additional hazard	NA
class (CFR)	
Packing group (CFR)	II
UN ID number (CFR)	3399
Shipping name	Organometallic substance, liquid, water-reactive, flammable*
(IATA)	
Hazard class (IATA)	4.3
Additional hazard	NA
class (IATA)	
Packing group	II
(IATA)	2200
UN ID number	3399
(IATA)	
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	SECTION 15: Regulatory Information
TSCA	Not listed in the TSCA inventory
SARA	Not reported
	SECTION 16: Other Information
Preparation date	02.09.09
Revision date	02.09.09
	s believed to be accurate and represents the best information currently available to
	no warranty of merchantability or any other warranty, express or implied, with
-	tion, and we assume no liability resulting from its use. Users should make their
own investigations to def	termine the suitability of the information for their particular purposes.