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**SECTION 1: Product Identification**

<b>Product name</b>	(t-Butylimido)tris(i-propoxy)niobium
<b>CAS #</b>	NA
<b>Catalog #</b>	0411100
<b>Chemical family</b>	Organometallic derivatives

**SECTION 2: Composition, Information on Ingredients**

<b>Component</b>	<b>%</b>	<b>CAS #</b>	<b>EINECS #</b>	<b>Hazard Symbol</b>	<b>R-Phrase</b>
(t-Butylimido)tris(i-propoxy)niobium		NA	none	F Xn	10 14 20/21/22

**SECTION 3: Hazard Identification**

<b>Emergency overview</b>	Flammable liquid. Reacts with water. Harmful by inhalation, if swallowed and if absorbed through the skin.
<b>Eye contact</b>	May cause mild irritation of the eyes.
<b>Skin contact</b>	May cause mild irritation of the skin.
<b>Inhalation</b>	May be harmful if inhaled. May cause severe irritation of the respiratory tract.
<b>Ingestion</b>	Harmful if swallowed.
<b>Chronic health effects</b>	No available information about long-term effects.

**SECTION 4: First Aid Measures**

<b>Eye exposure</b>	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
<b>Skin exposure</b>	Wash the affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.
<b>Inhalation</b>	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.
<b>Ingestion</b>	Don't induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.

**SECTION 5: Fire Fighting Measures**

<b>General information</b>	Flammable solid. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. If involved in fire material may emit toxic fumes.
<b>Extinguishing media</b>	Don't use water. Use dry chemical or carbon dioxide.

**SECTION 6: Accidental Release Measures**

<b>Spill and leak procedures</b>	Small spills can be mixed with vermiculite or other suitable inert absorbents and placed in a suitable container. Ventilate area after material is removed.
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SECTION 7: Handling and Storage	
<b>Handling</b>	Avoid inhalation. Don't get in eyes, on skin or on clothing. Handle under an inert atmosphere of argon or nitrogen.
<b>Storage</b>	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.
SECTION 8: Exposure Controls and Personal Protection	
<b>Eye protection</b>	Always wear approved safety glasses when handling a chemical substance in the laboratory.
<b>Skin protection</b>	Wear protective gloves.
<b>Ventilation</b>	Handling material in an efficient fume hood. Work with this substance in a well-ventilated area.
<b>Respirator</b>	Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.
SECTION 9: Physical and Chemical Properties	
<b>Appearance</b>	Colourless liq.
<b>Odor</b>	No data
<b>Melting point</b>	No data
<b>Boiling point</b>	No data
<b>Flash point</b>	No data
<b>Solubility in water</b>	Reacts with water
<b>Specific gravity</b>	No data
<b>Molecular formula</b>	C15H34NO3Ta
<b>Molecular weight</b>	457.38
SECTION 10: Stability and Reactivity	
<b>Stability</b>	Air and moisture sensitive.
<b>Hazardous polymerization</b>	No hazardous polymerization.
<b>Conditions to avoid</b>	Contact with air, moisture and ignition sources.
<b>Incompatibilities with other materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Carbon monoxide, carbon dioxide, tantalum oxides, nitrogen oxides.
SECTION 11: Toxicological Information	
<b>RTECS Data</b>	No data available.
<b>Carcinogenic effects</b>	No data available.
<b>Mutagenic effects</b>	No data available.
<b>Tetragenic effects</b>	No data available.
SECTION 12: Ecological Information	
<b>Ecological information</b>	No information available.
SECTION 13: Disposal Considerations	

Dispose of in a manner consistent with federal, state, and local regulations.

### SECTION 14: Transport Information

<b>Shipping name (CFR)</b>	Flammable liquid, n.o.s.*
<b>Hazard class (CFR)</b>	3
<b>Additional hazard class (CFR)</b>	NA
<b>Packing group (CFR)</b>	II
<b>UN ID number (CFR)</b>	1993
<b>Shipping name (IATA)</b>	Flammable liquid, n.o.s.*
<b>Hazard class (IATA)</b>	3
<b>Additional hazard class (IATA)</b>	NA
<b>Packing group (IATA)</b>	II
<b>UN ID number (IATA)</b>	1993

### SECTION 15: Regulatory Information

<b>TSCA</b>	Not listed in the TSCA inventory
<b>SARA</b>	Not reported

### SECTION 16: Other Information

<b>Preparation date</b>	03.06.10
<b>Revision date</b>	03.06.10

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