



Material Safety Data Sheet

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SECTION 1: Product Identification

Product name	Tris(1-dimethylamino-2-methyl-2-propanolate)ytterbium (III), (Yb(dmamp) ₃)
CAS #	Not available
Catalog #	0710800
Chemical family	Metal alcoholate complex

SECTION 2: Composition, Information on Ingredients

Component	%	CAS #	EINECS #	Hazard Symbol	R-Phrase
Tris(1-dimethylamino-2-methyl-2-propanolate) ytterbium (III)		Not available	none	none	36/37/38

SECTION 3: Hazard Identification

Emergency overview	May be irritating to eyes, skin and respiratory system. Moisture and air sensitive.
Eye contact	May cause eyes irritation.
Skin contact	May cause slight to mild irritation of skin.
Inhalation	May causes irritation of mucous membranes and respiratory tract.
Ingestion	May be harmful by ingestion.
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 if necessary.
Skin exposure	Flush skin with plenty of soap and water.
Inhalation	Remove from exposure to fresh air immediately. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, pain, etc. In such cases seek immediate medical assistance.
Ingestion	Get medical aid. Wash mouth out with water.

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 fumes.
Extinguishing media	Carbon dioxide, dry chemical powder, or appropriate foam.

SECTION 6: Accidental Release Measures

Spill and leak procedures	Small spills can be mixed with vermiculite or other suitable absorbents and swept up.
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SECTION 7: Handling and Storage	
Handling	Avoid contact with skin, eyes and clothes. Avoid contact with moisture. Handle under an inert atmosphere of nitrogen or argon.
Storage	Store in a cool, dry place. Store in a tightly closed container. Avoid contact with moisture. 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	Brown viscous liquid
Odor	No data
Melting point	No data
Boiling point	No data
Flash point	No data
Solubility in water	No information available
Specific gravity	No data
Molecular formula	C ₁₈ H ₄₂ N ₃ O ₃ Yb
Molecular weight	521.59
SECTION 10: Stability and Reactivity	
Stability	Air and moisture sensitive liquid.
Hazardous polymerization	No hazardous polymerization
Conditions to avoid	Avoid contact with moisture.
Incompatibilities with other materials	Strong oxidizing agents, moisture, air
Hazardous decomposition products	Carbon monoxide, carbon dioxide, nitrogen oxide, organic vapors
SECTION 11: Toxicological Information	
RTECS Data	No information available in the RTECS files.
Carcinogenic effects	No data available.
Mutagenic effects	No data available.
Teratogenic 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	Non listed in the TSCA inventory
SARA	Not reportable under SARA Title 313
SECTION 16: Other Information	
Preparation date	09.06.08
Revision date	09.06.08
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