



Material Safety Data Sheet

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SECTION 1: Product Identification

Product name	Tris(2,2,6,6-tetramethyl-3,5-octanedionato)lutetium (III) (REO) (Lu(4MOD)3)
CAS #	Not available
Catalog #	0710700
Chemical family	Beta-diketonato metal complexes

SECTION 2: Composition, Information on Ingredients

Component	%	CAS #	EINECS #	Hazard Symbol	R-Phrase
Tris(2,2,6,6-tetramethyl-3,5-octanedionato)lutetium	99	None	none	none	none

SECTION 3: Hazard Identification

Emergency overview	May be harmful in contact with eyes, skin and if swallowed.
Eye contact	May cause mild irritation of the eyes.
Skin contact	May cause mild irritation of the skin.
Inhalation	May be irritating to the nose, mucous membranes and respiratory tract.
Ingestion	No information available.
Chronic health effects	No information available.

SECTION 4: First Aid Measures

Eye exposure	Immediately flush eyes with plenty amount of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin exposure	Get medical aid. Flush skin with water for at least 15 minutes while removing contaminated clothing and shoes if it is necessary.
Inhalation	Remove from exposure to fresh air.
Ingestion	If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid.

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.
Extinguishing media	Use water spray, dry powder or foam, carbon dioxide.

SECTION 6: Accidental Release Measures

Spill and leak procedures	Small spills can be mixed with vermiculite or sodium carbonate and swept up. Ventilate area.
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SECTION 7: Handling and Storage	
Handling	Do not get in eyes, on skin or on clothing. Handle in an efficient fume hood.
Storage	Store in cool dry place in the tightly closed container.
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	If possible, 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	Off-white powdr.
Odor	Not determined
Melting point	95.00-99.00 °C
Boiling point	No data
Flash point	No data
Specific gravity	No data
Solubility	Insoluble
Molecular formula	C36H63LuO6
Molecular weight	766.86
SECTION 10: Stability and Reactivity	
Stability	Air and moisture stable solid.
Hazardous polymerization	No hazardous polymerization.
Conditions to avoid	Not available.
Incompatibilities with other materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon monoxide, carbon dioxide, metal oxide and carbonates.
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 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	Not listed in the TSCA inventory
SARA	Not reportable under SARA Title 313.
SECTION 16: Other Information	
Preparation date	25.01.08
Revision date	25.01.08
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