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SECTION 1: Product Identification

Product name	Bis[bis(trimethylsilyl)amido]manganese(II) (25 % solution in hexanes)
CAS #	926-76-1
Catalog #	0250950
Chemical family	Amide metal complexes

SECTION 2: Composition, Information on Ingredients

Component	%	CAS #	EINECS #	Hazard Symbol	R-Phrase
Bis[bis(trimethylsilyl)amido]-manganese(II)	25	926-76-1	none	F, Xi	10 36/37/38
Hexane	75	110-54-3	203-777-6	F XN N	11 38 48/20 51/53 62 65 67

SECTION 3: Hazard Identification

Emergency overview	Flammable liquid. Irritating to the respiratory tract, eyes and skin. Air and moisture sensitive.
Eye contact	May cause irritation of the eyes
Skin contact	May cause irritation of the skin
Inhalation	May cause irritation of 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 of water for at least 15 minutes. Get medical aid immediately.
Skin exposure	Wash the affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.
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 seek immediate medical assistance.
Ingestion	If victim is conscious, give 2-4 cupfuls of 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. If involved in a fire this material may emit toxic organic fumes. Flammable solid.
Extinguishing media	Use CO ₂ , dry powder or foam.

SECTION 6: Accidental Release Measures

Spill and leak procedures	Small spills can be mixed with powdered sodium bicarbonate, lime, or calcium carbonate, vermiculite and swept up. Ventilate room obligatory.
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SECTION 7: Handling and Storage	
Handling	Do not allow contact with eyes, skin and clothing. Handle material in efficient fume hood. Handle under inert atmosphere of argon or nitrogen. Don't allow contact with ignition sources.
Storage	Store in a tightly closed container. Store under inert atmosphere of argon or nitrogen. Keep away from water, heat, sources of ignition and direct sunlight. Flammable liquid.
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 only 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	From dark red to black liquid
Odor	No data
Melting point	No data
Boiling point	No data
Flash point	No data
Solubility in water	No data
Specific gravity	No data
Spec Rotation	No data
Molecular formula	C ₁₂ H ₃₆ MnN ₂ Si ₄
Molecular weight	375.71
SECTION 10: Stability and Reactivity	
Stability	Air and moisture sensitive liquid.
Hazardous polymerization	No hazardous polymerization
Conditions to avoid	Ignition sources, contact with air and water.
Incompatibilities with other materials	Air, water, oxidizing agents.
Hazardous decomposition products	Carbon monoxide, carbon dioxide, nitrogen oxides, silicon oxide, manganese oxides, organic fumes.
SECTION 11: Toxicological Information	
RTECS Data	No information available on title compound. For hexane -- Standard Draize Test (rabbit); 10mg (mild). Inhalation (human); TCLo: 190ppm/8W. Oral (rat); LD50: 28710mg/kg. Inhalation (rat); LC50: 48000ppm/4H. Intraperitoneal (rat); LDLo: 9100mg/kg. Intravenous (mouse); LDLo: 831mg/kg. Inhalation (rat); TCLo: 2000ppm/12H/24W-I. Acts a general anesthetic, respiratory depression, altered sleep time, effects on nerves, decreased weight gain, muscle weakness, and changes to the liver and blood. Toxic effects observed in the embryo and fetus of test animals.
Carcinogenic effects	No data available.
Mutagenic effects	No data available. For hexane: possible mutagen.

Tetratogenic effects	No data available. For hexane: possible reproductive effector.
SECTION 12: Ecological Information	
Ecological information	Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
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 class (CFR)	NA
Packing group (CFR)	II
UN ID number (CFR)	1993
Shipping name (IATA)	Flammable liquid, N.O.S.
Hazard class (IATA)	3
Additional hazard class (IATA)	NA
Packing group (IATA)	II
UN ID number (IATA)	1993

SECTION 15: Regulatory Information	
TSCA	CAS# 926-76-1 is not listed in the TSCA inventory; CAS# 110-54-3 is listed in the TSCA inventory.
SARA	CAS# 926-76-1 is not reportable under SARA Title 313; CAS# 110-54-3 is regulated by SARA 313.

SECTION 16: Other Information	
Preparation date	10.04.12
Revision date	10.04.12

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