



Material Safety Data Sheet

Company: DALCHEM, MOSKOVSKOE SHOSSE, 85, Nizhny Novgorod, 603000, RUSSIA
TEL: + 7 (8312) 753-772, FAX: +7 (8312) 750-799

SECTION 1: Product Identification

Product name	Tris(trimethylsilyl)silane, 97+%
CAS #	1873-77-4
Catalog #	0142400
Chemical family	Organosilicon compound.

SECTION 2: Composition, Information on Ingredients

Component	%	CAS #	EINECS #	Hazard Symbol	R-Phrase
Tris(trimethylsilyl)silane	97+	1873-77-4	none	Xi	10 36/37/38

SECTION 3: Hazard Identification

Emergency overview	Combustible, flammable. Air and moisture sensitive. Irritant for eyes, skin and respiratory tract.
Eye contact	Cause mild to strong irritation of the eyes.
Skin contact	Cause mild to strong irritation of the skin.
Inhalation	Irritating to the nose, mucous membranes and respiratory tract.
Ingestion	No information available about physiological effect of the ingestion of this material.
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	Flammable material. 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.
Extinguishing media	Use CO ₂ , dry powder or foam.

SECTION 6: Accidental Release Measures

Spill and leak procedures	Small spills can be mixed with vermiculite or sodium carbonate and swept up.
----------------------------------	--

SECTION 7: Handling and Storage	
Handling	Avoid contact and inhalation. Do not get in eyes, on skin, or on clothing. Handle under an inert atmosphere.
Storage	Store in cool dry place. Store in a tightly closed container. Avoid contact with moisture air. Store under inert atmosphere of nitrogen or argon. Keep away from heat, spark and flame.
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	Colourless liquid
Odor	None
Melting point	0 °C
Boiling point	82-84 °C/ 12 mm
Flash point	55 °C (131 °F)
Solubility in water	No data
Specific gravity	0.806 g/cm ³
Spec Rotation	None
Molecular formula	C ₉ H ₂₈ Si ₄
Molecular weight	248.66
SECTION 10: Stability and Reactivity	
Stability	Air and moisture sensitive liquid.
Hazardous polymerization	No hazardous polymerization
Conditions to avoid	Avoid contact with incompatible materials.
Incompatibilities with other materials	Strong oxidizing agents, air, moisture
Hazardous decomposition products	Carbon monoxide, carbon dioxide, silicon oxides, organic fumes.
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)	Flammable liquid, N.O.S.
Hazard class (CFR)	3
Additional hazard class (CFR)	NA
Packing group (CFR)	III
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)	III
UN ID number (IATA)	1993

SECTION 15: Regulatory Information	
---	--

TSCA	CAS# 1873-77-4 is not listed in the TSCA inventory
SARA	Not reportable under SARA Title 313

SECTION 16: Other Information	
--------------------------------------	--

Preparation date	22.12.04
Revision date	06.09.12

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.