



Material Safety Data Sheet

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SECTION 1: Product Identification

Product name	N-t-Butylhexamethyldisilazane
CAS #	18394-04-2
Catalog #	0143300
Chemical family	Silazane derivatives

SECTION 2: Composition, Information on Ingredients

Component	%	CAS #	EINECS #	Hazard Symbol	R-Phrase
N-t-Butylhexamethyldisilazane	-	18394-04-2	none	XI F	11 36/37/38

SECTION 3: Hazard Identification

Emergency overview	Flammable. Irritating to eyes, respiratory system and skin.
Eye contact	Causes mild to severe irritation of the eyes.
Skin contact	Causes mild to severe irritation of the skin.
Inhalation	Causes respiratory tract irritation.
Ingestion	No specific information is available on the physiological effects of ingestion.
Chronic health effects	Not available.

SECTION 4: First Aid Measures

Eye exposure	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Skin exposure	Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
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	Do NOT 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

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 area.
Extinguishing media	Dry chemical, carbon dioxide, or chemical foam.

SECTION 6: Accidental Release Measures

Spill and leak procedures	Small spills can be mixed with vermiculite or sodium carbonate or other inert material and swept up.
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SECTION 7: Handling and Storage	
Handling	Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Use only in a chemical fume hood. Handling under nitrogen.
Storage	Store in a cool, dry place. Store in a tightly closed container. Store under nitrogen. Avoid contact with air.
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	Always handle 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	Colorless liquid
Odor	NA
Melting point	NA
Boiling point	NA
Flash point	NA
Solubility in water	NA
Specific gravity	NA
Molecular formula	C ₁₀ H ₂₇ NSi ₂
Molecular weight	217.50
SECTION 10: Stability and Reactivity	
Stability	Air sensitive liquid
Hazardous polymerization	No hazardous polymerization
Conditions to avoid	Contact with air
Incompatibilities with other materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon monoxide, carbon dioxide, silicon oxide, nitrogen oxide.
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)	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	Not listed in the TSCA inventory
SARA	Not reportable under SARA Title 313.
SECTION 16: Other Information	
Preparation date	12.07.2012
Revision date	12.07.2012
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