



Material Safety Data Sheet

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SECTION 1: Product Identification

Product name	Tri-i-propylstibine, 98%
CAS #	73300-45-5
Catalog #	0510150
Chemical family	Stibine derivatives

SECTION 2: Composition, Information on Ingredients

Component	%	CAS #	EINECS #	Hazard Symbol	R-Phrase
Tri-i-propylstibine	98	73300-45-5	NA	F Xi	17 36/37/38

SECTION 3: Hazard Identification

Emergency overview	Spontaneously flammable in air (pyrophoric). Highly flammable. Causes burns.
Eye contact	May cause mild to severe irritation of the eyes.
Skin contact	Harmful in contact with skin. May cause thermal burns if ignited.
Inhalation	Harmful by inhalation. Irritating to nose and mucous membranes.
Ingestion	May causes the burns of gastrointestinal tract.
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, 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	If victim is conscious and alert, wash out mouth with water, give 2-4 cupfuls of milk or water. Get medical aid immediately.

SECTION 5: Fire Fighting Measures

General information	Pyrophoric. 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. Spontaneously flammable in air, especially in contact with organic matter.
Extinguishing media	Use dry chemical, carbon dioxide, or chemical foam.

SECTION 6: Accidental Release Measures

Spill and leak procedures	The material may ignite spontaneously in air. Small spills can be mixed with vermiculite or sodium carbonate or other inert material and swept up. Ventilate of area.
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SECTION 7: Handling and Storage	
Handling	Avoid contact with skin, eyes and clothes. Handle only in an efficient fume hood, under an inert atmosphere. Avoid contact with organic matter.
Storage	Store in a cool, dry place. Store in a tightly closed container. Store under inert atmosphere of nitrogen or argon. Keep away from heat and ignition sources.
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	Colorless 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
Molecular formula	C ₉ H ₂₁ Sb
Molecular weight	251.02
SECTION 10: Stability and Reactivity	
Stability	Air-sensitive, pyrophoric liquid.
Hazardous polymerization	No hazardous polymerization.
Conditions to avoid	Contact with air. May decompose on exposure to air.
Incompatibilities with other materials	Oxidizing agents, air (pyrophoric), heating sources.
Hazardous decomposition products	Carbon dioxide, carbon monoxide, organic vapors, and antimony oxide.
SECTION 11: Toxicological Information	
RTECS Data	No data available.
Carcinogenic effects	No data available.
Mutagenic effects	No data available.
Tetratogenic effects	No data available.
SECTION 12: Ecological Information	
Ecological information	No data available
SECTION 13: Disposal Considerations	
Dispose of in a manner consistent with federal, state, and local regulations.	

SECTION 14: Transport Information	
Shipping name (CFR)	Pyrophoric liquids, organic, N.O.S.
Hazard class (CFR)	4.2
Additional hazard class (CFR)	NA
Packing group (CFR)	I
UN ID number (CFR)	2845
Shipping name (IATA)	Pyrophoric liquids, organic, N.O.S. Not permitted for air transport.
Hazard class (IATA)	4.2
Additional hazard class (IATA)	NA
Packing group (IATA)	I
UN ID number (IATA)	2845
SECTION 15: Regulatory Information	
TSCA	Title compound is not listed.
SARA	Not reportable under SARA Title 313.
SECTION 16: Other Information	
Preparation date	12.12.2007
Revision date	12.12.2007
<p>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.</p>	