

## **Material Safety Data Sheet**

HAZARD V	VARNINGS
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this material.

Refrigerate.

**RISK PHRASES** Toxic compound, do not ingest or inhale. Avoid all contact with

Irritating to skin, eyes, and the respiratory system.



Section I. Ch	emical Produ	ict and Col	mpany Ide	entificat	ion	
Chemical Name	Tri-n-but	yl(vinyl)	tin			
Catalog Number	T1794				Supplier	TCI America 9211 N. Harborgate St.
Synonym	Not available.				-	Portland OR 1-800-423-8616
Chemical Formula	CH <sub>2</sub> :CHSn[(CH <sub>2</sub>	) <sub>3</sub> CH <sub>3</sub> ] <sub>3</sub>				
CAS Number	7486-35-3				In case of Emergency Call	Chemtrec® (800) 424-9300 (U.S.) (703) 527-3887 (International)
Section II. Co	omposition a	nd Informa	tion on In	gredien	ts	
Chemical Nar		CAS Number	Percent (%)	1	FLV/PEL	Toxicology Data
Tri-n-butyl(vinyl	)tin	7486-35-3	Min. 98.0 (W)	Not availab	e.	Not available.
Section III. Ha	azards Identi	fication				
Acute Health Effects	Irritating to eyes an eye is characterized occasionally, blister	d skin on contact. d by redness, wate ring. Harmful if ing	Inhalation caus ring, and itching. jested or inhaled.	es irritation o Skin inflam Minimize ex	of the lungs and i mation is charact oposure to this m	re may result in serious illness or death. respiratory system. Inflammation of the erized by itching, scaling, reddening, or, aterial. Severe overexposure can result protective equipment when handling this
Chronic Health Effects	CARCINOGENIC E MUTAGENIC EFFE TERATOGENIC EF DEVELOPMENTAI Repeated or prolon	CTS : Not availab FECTS : Not availab TOXICITY: Not available	ole. ilable. vailable.	ot known to a	aggravate existing	g medical conditions.
Section IV. Fir	rst Aid Measเ	ires				
Eye Contact	Check for and rem minutes. Get medi-		enses. In case o	f contact, in	mediately flush	eyes with plenty of water for at least 15
Skin Contact	In case of contact, before reuse. Thor					ated clothing and shoes. Wash clothing
Inhalation						ht clothing such as a collar, tie, belt or attention if respiration problems do not
Ingestion	Loosen tight cloth resuscitation. Exar	ing such as a col nine the lips and m ed; the absence of	lar, tie, belt or v nouth to ascertair f such signs, how	vaistband. whether the	If the victim is n tissues are dam	it will not reenter the mouth and throat. ot breathing, perform mouth-to-mouth laged, a possible indication that the toxic < IMMEDIATE MEDICAL ATTENTION in
Section V. Fin	re and Explos	sion Data				
Flammability	May be combustible	e at high temperatu	re. A	uto-Ignition	Not a	vailable.
Flash Points	>109℃ (228.2°F).		Flar	nmable Lin	its Not a	vailable.
Combustion Products	These products are	toxic carbon oxide	s (CO, CO <sub>2</sub> ). Soi	me metallic c	oxides.	
Fire Hazards	Not available.					
Explosion Hazards	Risks of explosion of Risks of explosion of Risks of explosion of the Risks of explosion of the Risks of explosion of the Risks of the					
Fire Fighting Media and Instructions	SMALL FIRE: Use LARGE FIRE: Use Consult with local fi	water spray, fog or	foam. DO NOT			

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Section VI.	Accidental Release Measures	;	
Spill Cleanup Instructions			aste disposal. Finish cleaning the spill by rinsing , state, and/or local authorities for assistance on
Section VII.	Handling and Storage		
Handling and Storage Information	TOXIC. IRRITANT. REFRIGERATE. Keep container and store in a dry, cool place. Avo Always store away from incompatible compor	id excessive heat and light. Do	haust required. When not in use, tightly seal the not breathe gas/fumes/ vapor/spray.
Section VIII.	Exposure Controls/Personal	Protection	
Engineering Controls	Provide exhaust ventilation or other engineer threshold limit value. Ensure that eyewash s		e concentrations of vapors below their respective mal to the work-station location.
Personal Protection	Splash goggles. Lab coat. Vapor respirator. specialist BEFORE handling this product. Be		otective clothing might not be sufficient; consult a oproved respirator or equivalent.
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Exposure Limits	Not available.		
Section IX.	Physical and Chemical Prope	rties	
Physical state @ 20°C	Liquid.	Solubility	Not available.
Specific Gravity	1.085 (water=1)		
Molecular Weight	317.1	Partition Coefficient	Not available.
Boiling Point	104 to 106 °C (219.2 to 222.8 °F) @ 3.5 mm Hg	Vapor Pressure	Not available.
Melting Point	Not available.	Vapor Density	Not available.
Refractive Index	Not available.	Volatility	Not available.
Critical Temperature	Not available.	Odor	Not available.
Viscosity	Not available.	Taste	Not available.
Section X.	Stability and Reactivity Data		
Stability	This material is stable if stored under proper	conditions. (See Section VII for	instructions)
Conditions of Instability	Avoid excessive heat and light.		
Incompatibilities	Reactive with strong oxidizing agents.		
Section XI.	Toxicological Information		
RTECS Number	Not available.		
Routes of Exposure	Eye Contact. Ingestion. inhalation.		
Toxicity Data	Not available.		
Chronic Toxic Effects	CARCINOGENIC EFFECTS : Not available. MUTAGENIC EFFECTS : Not available. TERATOGENIC EFFECTS : Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure to this com		e existing medical conditions.
Acute Toxic Effects	Irritating to eyes and skin on contact. Inhalat is characterized by redness, watering, and occasionally, blistering. Harmful if ingested	ion causes irritation of the lungs itching. Skin inflammation is c or inhaled. Minimize exposure t	rexposure may result in serious illness or death. and respiratory system. Inflammation of the eye characterized by itching, scaling, reddening, or, to this material. Severe overexposure can result proper protective equipment when handling this

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Section XII.	Ecological Information
Ecotoxicity	Not available.
Environmental Fate	Not available.
Section XIII.	Disposal Considerations
Waste Disposal	Recycle to process, if possible. Consult your local regional authorities. You may be able to dissove or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe a federal, state and locl regulations when disposing of the substance.
Section XIV.	Transport Information
DOT Classification	DOT CLASS 6.1:Toxic material.
PIN Number	UN2788
Proper Shipping Name	Organotin compound, liquid, n.o.s.
Packing Group (PG)	III
DOT Pictograms	PUSON
Section XV.	Other Regulatory Information and Pictograms
mage of the	This product is <b>NOT</b> on the EPA Toxic Substances Control Act (TSCA) inventory. The following notices are required by 40
TSCA Chemical Invento (EPA)	qualified individual as defined in 40 CFR 720.0 et sec.
	<ul> <li>(i) These products are supplied solely for use in research and development by or under the supervision of a technically qualified individual as defined in 40 CFR 720.0 et sec.</li> <li>(ii) The health risks of these products have not been fully determined. Any information that is or becomes available will be supplied on an MSDS sheet.</li> </ul>
(EPA) WHMIS Classification	<ul> <li>(i) These products are supplied solely for use in research and development by or under the supervision of a technically qualified individual as defined in 40 CFR 720.0 et sec.</li> <li>(ii) The health risks of these products have not been fully determined. Any information that is or becomes available will be supplied on an MSDS sheet.</li> <li>not available</li> </ul>
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(EPA) WHMIS Classification (Canada) EINECS Number (EEC	<ul> <li>(i) These products are supplied solely for use in research and development by or under the supervision of a technically qualified individual as defined in 40 CFR 720.0 et sec.</li> <li>(ii) The health risks of these products have not been fully determined. Any information that is or becomes available will be supplied on an MSDS sheet.</li> <li>not available</li> <li>231-291-4</li> <li>R23/24/25- Toxic by inhalation, in contact with skin and if swallowed.</li> <li>R36/37/38- Irritating to eyes, respiratory system and skin.</li> </ul>

Notice to Reader

TCI laboratory chemicals are for research purposes only and are NOT intended for use as drugs, food additives, households, or pesticides. The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our MSDS sheets are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of thouse to undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, facial mask, fume hood). For proper handling and disposal, always comply with federal, state, and local regulations.

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