

Material Safety Data Sheet

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SECTION 1: Product Identification					
Product name	Bis(adamantyl)-n-butylphosphine, 98+%				
CAS #	321921-71-5				
Catalog #	0065660				
Chemical family	Organophosphine ligand				
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SECTION 2: Composition, Information on Ingredients					
Component	%	CAS#	EINECS #	Hazard Symbol	R-Phrase
Bis(adamantyl)-n-butyl	l- 98+	321921-71-5	none	none	none
phosphine					
CECTION 2. II 111					
SECTION 3: Hazard Identification					
Emergency overview Eye contact	The substance is considered as non-hazardous.				
Skin contact	No irritant effect known The product is not fully inverstigated.				
Inhalation	No irritant effect known. The product is not fully inverstigated.				
Ingestion	No irritant effect known. The product is not fully inverstigated.				
Chronic health effects	No irritant effect known. The product is not fully inverstigated. Not available. The product is not fully inverstigated.				
Chrome hearth effects	Not availa	ible. The product is i	iot fully lilverst	igaicu.	
	S	ECTION 4: First	Aid Measures	S	
Eye exposure	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally				
	lifting the	upper and lower eye	lids. Get medic	al aid immediately.	_
Skin exposure	Get medic	al aid immediately.	Immediately flu	ısh skin with plenty	of water for at
	least 15 m	inutes while removing	ng contaminated	d 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				
		ediate medical assist			
Ingestion	Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of				
	milk or wa	ater. Get medical aid	immediately.		
SECTION 5: Fire Fighting Measures					
General information				ghters should be eq	uipped with a
				ained breathing appa	
				s material may emit	
	fumes.				
Extinguishing media		spray, dry chemical	, carbon dioxid	e, or chemical foam.	
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SECTION 6: Accidental Release Measures					
Spill and leak	Small spills can be mixed with vermiculite or sodium carbonate or other inert				
procedures	material a	nd swept up.			

	SECTION 7: Handling and Storage			
Handling	Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.			
	Store and handle protected from air. Handle under an inert atmosphere of			
	nitrogen or argon.			
Storago	Store in a cool, dry place. Store in a tightly closed container. Keep under a			
Storage				
	nitrogen blanket.			
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	Material may form a fine dust. If possible, handle the material in an efficient			
Ventuation	fume hood.			
Respirator	If ventilation is not available a respirator should be worn. The use of respirators			
Respirator	requires Respirator Protection Program to be in compliance with 29CF			
	1910.134.			
	1910.134.			
	CECTION O DI L' 1 1 CI L' 1 D			
	SECTION 9: Physical and Chemical Properties			
Appearance	White to yellow pwdr.			
Odor	None			
Melting point	100 °C			
Boiling point	No data			
Flash point	No data			
Solubility in water	Insoluble			
Specific gravity	No data			
Molecular formula	C24H39P			
Molecular weight	358.54			
	SECTION 10: Stability and Reactivity			
Stability	Air sensitive solid.			
Hazardous	No hazardous polymerization.			
polymerization				
Conditions to avoid	Incompatible materials, prolonged exposure to air.			
Incompatibilities with	Oxidizing agents and halogens.			
other materials				
Hazardous decompo-	Carbon dioxide, carbon monoxide, phosphorus oxide and organic fumes.			
sition products				
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	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	No information available.			
information				
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SECTION 13: Disposal Considerations				
Dispose of in a manner consistent with federal, state, and local regulations.				
SECTION 14: Transport Information				
Shipping name (CFR)	Non hazardous			
Hazard class (CFR)	NA			
Additional hazard	NA			
class (CFR)				
Packing group (CFR)	NA			
UN ID number (CFR)	NA			
Shipping name	Non hazardous			
(IATA)				
Hazard class (IATA)	NA			
Additional hazard	NA			
class (IATA)				
Packing group	NA			
(IATA)				
UN ID number	NA			
(IATA)				
SECTION 15: Regulatory Information				
TSCA	CAS# 321921-71-5 is not listed on the TSCA inventory.			
SARA	Not reportable under SARA Title 313.			
SECTION 16: Other Information				
Preparation date	11.01.06			
Revision date	12.07.12			

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