

Safety Data Sheet P911A74 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 09/05/2018 Version: 1.0

SECTION 1: Identification				
1.1. Identification				
Product form	: Substance			
Substance name	bstance name : Bis(triphenylphosphine)palladium(II) dichloride			
CAS No	: 13965-03-2	: 13965-03-2		
Product code	: P911-A-74			
Formula	: C36H32Cl2P2Pd			
Synonyms	: Palladium, dichlorobis(triphenylphosphine)- / Bis(trip Bis(triphenylphosphine)palladium(II) chloride	phenylphosphine)palladium(II) dichloride /		
Other means of identification	: MFCD00009593			
1.2. Relevant identified uses of the su	bstance or mixture and uses advised against			
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development			
	· ·			
1.3. Details of the supplier of the safe	ty data sheet			
SynQuest Laboratories, Inc. P.O. Box 309				
F.O. B0X 309 Alachua, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlabs.				
1.4. Emergency telephone number				
Emergency number	: (844) 523-4086 (3E Company - Account 10069)			
Energency number	: (844) 525-4086 (SE Company - Account 10069)			
SECTION 2: Hazard(s) identification	n			
2.1. Classification of the substance o				
Classification (GHS-US)				
Skin Irrit. 2 H315 - Causes skin irritation				
Eye Irrit. 2A H319 - Causes serious eye irr STOT SE 3 H335 - May cause respiratory				
, , ,	irritation			
, , , , , , , , , , , , , , , , , , ,	irritation			
Full text of H-phrases: see section 16	irritation			
Full text of H-phrases: see section 16 2.2. Label elements	irritation			
Full text of H-phrases: see section 16	:			
Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling				
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Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US)	: GHS07 : Warning			
Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling	: GHS07 : Warning : H315 - Causes skin irritation H319 - Causes serious eye irritation			
Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US)	: GHS07 : Warning : H315 - Causes skin irritation	ye protection/face protection nd water r and keep comfortable for breathing n water for several minutes. Remove contact n if you feel unwell d instructions on this label) dvice/attention advice/attention rash it before reuse		

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P501 - Dispose of contents/container to an approved waste disposal plant

2.3. Other hazards No additional information available 2.4. Unknown acute toxicity (GHS US) Not additional information available 2.4. Unknown acute toxicity (GHS US) Not applicable SectroDN 3: Composition/Information on ingredients 3.1. Substance Substance type Name Product identifier SectroProvphosphine)palladum(II) dichoride Estimptorhybosphine)palladum(II) dichoride Estimptorhybosphine)palladum(II) dichoride Estimptorhybosphine)palladum(II) dichoride Estimptorhybosphine)palladum(II) dichoride SectroDN 4: First aid measures First-aid measures general In case of accident or if you feel unwell, seek medical advice immediately (show the label SectroDN 4: First aid measures First-aid measures after inhalation In case of accident or if you feel unwell, seek medical advice/attention. First-aid measures after eyin contact I'rest-aid measures after eyin contact I'rest-aid measures after eyin contact I'rest-aid measures after inhalation First-aid measures after eyin contact I'rest-aid measures after eyin contact I'rest-aid measures after eyin contact <tr< th=""><th></th><th></th><th></th></tr<>			
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6.1. Personal precautions, protective equipment and emergency procedures			
General measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust.			
	measures	vacuate unnecessary personnel. Ensure ade	quate air ventilation. Do not breathe dust.
6.1.1. For non-emergency personnel	For non-emergency personnel		
Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene.	ncy procedures :	Only qualified personnel equipped with suitabl	e protective equipment may intervene.
6.1.2. For emergency responders Protective equipment : Do not attempt to take action without suitable protective equipment. For further information		Do not attempt to take action without suitable	protective equipment. For further information
refer to section 8: "Exposure controls/personal protection".			

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

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6.3. Methods and material for containment and cleaning up	
: Stop leak if safe to do so.	
: Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.	
: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".	
Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe dust, mist, spray. Wear personal protective equipment. Avoid contact with skin and eyes.	
: Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.	
ng any incompatibilities	
: Comply with applicable regulations.	
: Keep container closed when not in use. Moisture sensitive. Keep contents under inert gas.	
: Refer to Section 10 on Incompatible Materials.	
: 2 - 8 °C Use explosion proof refrigerator	
: Store in dry, well-ventilated area.	

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls	
Appropriate engineering controls	: Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Hand protection	: Protective gloves. 29 CFR 1910.138: Hand Protection.
Eye protection	: Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection.
Other information	: Safety shoes. 29 CFR 1910.136: Foot Protection.

SECTION 9: Physical and chemica	al properties
9.1. Information on basic physical an	d chemical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: 260 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available

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Molecular mass	: 703.91 g/mol
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

9.2. Other information

No additional information available

No auu	
SECT	ION 10: Stability and reactivity
10.1.	Reactivity
No add	itional information available
10.2.	Chemical stability
The pro	duct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No add	itional information available
10.4.	Conditions to avoid
Keep a	way from heat, sparks and flame.
10.5.	Incompatible materials
Strong	oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of fire, see Section 5.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTI	ON 12: Ecological information		
12.1.	Toxicity		
No addit	ional information available		
12.2.	Persistence and degradability		
No addit	ional information available		
12.3.	Bioaccumulative potential		
No addit	ional information available		
12.4.	Mobility in soil		
No addit	No additional information available		

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12.5. Other adverse effects

No additional information available

SECTION 13: Disposal consider	ations
13.1. Waste treatment methods	
Waste treatment methods	: Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.
Waste disposal recommendations	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information	: Recycle the material as far as possible.
SECTION 14: Transport informa	tion

Department of Transportation (DOT)

In accordance with DOT

Not regulated for transport

TDG

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic

Substances Control Act (TSCA) Inventory except for.		
Bis(triphenylphosphine)palladium(II) dichloride	CAS No 13965-03-2	100%

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

Bis(triphenylphosphine)palladium(II) dichloride (13965-03-2)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

SECTION 16: Other information

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Full text of H-phrases:		
ſ	Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
	Skin Irrit. 2	Skin corrosion/irritation Category 2
	STOT SE 3	Specific target organ toxicity (single exposure) Category 3
	H315	Causes skin irritation
	H319	Causes serious eye irritation
	H335	May cause respiratory irritation
NFPA fi	ealth hazard re hazard eactivity	 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given. 0 - Materials that will not burn. 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS II	I Rating	
Health		: 1 Slight Hazard - Irritation or minor reversible injury possible
Flamma	ability	: 0 Minimal Hazard - Materials that will not burn
Physical		: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

SDS US (GHS HazCom 2012)

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is offered solely for your consideration, investigation, and verification. It does not represent any guarantee of the properties of the product nor that the hazard precautions or procedures described are the only ones which exist. SynQuest shall not be held liable or any damage resulting from handling or from contact with the above product.