

<a href="#">Dichlorobis(di-t-butylphenylphosphino)palladium(II)</a>		<a href="#">Pricing &gt;</a>
Linear Formula	$C_{28}H_{48}Cl_2P_2Pd$	
Pubchem CID	56649816	
MDL Number	MFCD09953450	
EC No.	N/A	
IUPAC Name	ditert-butyl((phenyl)phosphane)dichloropalladium	
SMILES	<chem>CC(C)(C)P(C1=CC=CC=C1)C(C)(C)C.CC(C)(C)P(C1=CC=CC=C1)C(C)(C)C.[Pd]Cl</chem>	
Inchi Identifier	InChI=1S/2C14H23P.2ClH.Pd/c2*1-13(2,3)15(14(4,5)6)12-10-8-7-9-11-12;;/h2*7-11H,1-6H3;2*1H/q;;;;+2/p-2	
Inchi Key	QNNRAWADYXIGHE-UHFFFAOYSA-L	
Signal Word	Warning	
Hazard Statements	H315-H320-H335	
Hazard Codes	N/A	
Risk Codes	N/A	
Safety Statements	N/A	
Transport Information	N/A	

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## SAFETY DATA SHEET

Date Accessed: 04/29/2024

Date Revised: 01/15/2022

### SECTION 1. IDENTIFICATION

**Product Identifiers:** All applicable American Elements product codes for CAS #34409-44-4

**Relevant identified uses of the substance:**  
Scientific research and development

Supplier details:  
American Elements  
10884 Weyburn Ave.  
Los Angeles, CA 90024  
Tel: +1 310-208-0551  
Fax: +1 310-208-0351

Emergency telephone number:  
Domestic, North America +1 800-424-9300  
International +1 703-527-3887

## SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS07

Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H335 May cause respiratory irritation.

Eye Irrit. 2B H320 Causes eye irritation.

GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).



Hazard pictograms

GHS07

Signal word Warning

Hazard statements

H315+H320 Causes skin and eye irritation.

H335 May cause respiratory irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P262 Do not get in eyes, on skin, or on clothing.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system:

NFPA ratings (scale 0 - 4)

1

0

0

Health = 1

Fire = 0

Reactivity = 0

HMIS-ratings (scale 0 - 4)

HEALTH

FIRE

REACTIVITY

1

0

0

Health = 1

Fire = 0  
Reactivity = 0  
Other hazards  
Results of PBT and vPvB assessment  
PBT: N/A  
vPvB: N/A

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### **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical characterization: Mixtures  
Description: Mixture of the substances listed below with nonhazardous additions.  
Dangerous components: not applicable

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### **SECTION 4. FIRST AID MEASURES**

Description of first aid measures  
If inhaled: Supply fresh air; consult doctor in case of complaints.  
In case of skin contact: Generally the product does not irritate the skin.  
In case of eye contact: Rinse opened eye for several minutes under running water. Consult a physician.  
If swallowed: If symptoms persist consult doctor.  
Most important symptoms and effects, both acute and delayed:  
No data available  
Indication of any immediate medical attention and special treatment needed  
No data available

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### **SECTION 5. FIREFIGHTING MEASURES**

Extinguishing media  
Suitable extinguishing agents:  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
Special hazards arising from the substance or mixture  
No data available  
Advice for firefighters  
Protective equipment: No special measures required.

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### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures Not required.

Environmental precautions: No special measures required.  
Methods and materials for containment and cleanup: Pick up mechanically.  
Reference to other sections  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

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## **SECTION 7. HANDLING AND STORAGE**

Precautions for safe handling No special precautions are necessary if used correctly.  
Information about protection against explosions and fires: No special measures required.  
Conditions for safe storage, including any incompatibilities:  
Requirements to be met by storerooms and receptacles: No special requirements.  
Information about storage in one common storage facility: Not required.  
Further information about storage conditions: None.  
Specific end use(s) No data available

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## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Additional information about design of technical systems: No further data; see item 7.  
Control parameters  
Components with limit values that require monitoring at the workplace:  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.  
Additional information: The lists that were valid during the creation were used as basis.  
Exposure controls  
Personal protective equipment:  
General protective and hygienic measures: Wash hands before breaks and at the end of work.  
Breathing equipment: Not required.  
Protection of hands:  
`SProtective gloves  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/

the  
chemical mixture.  
Selection of the glove material on consideration of the  
penetration times, rates of diffusion and the  
degradation  
Material of gloves  
The selection of the suitable gloves does not only  
depend on the material, but also on further marks of  
quality and  
varies from manufacturer to manufacturer. As the  
product is a preparation of several substances, the  
resistance  
of the glove material can not be calculated in advance  
and has therefore to be checked prior to the  
application.  
Penetration time of glove material  
The exact break through time has to be found out by  
the manufacturer of the protective gloves and has to  
be  
observed.  
Eye protection: Safety glasses

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## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Information on basic physical and chemical properties  
Appearance:  
Form: Solid  
Color: Light yellow  
Odor: Odorless  
Odor threshold: No data available.  
pH: N/A  
Melting point/Melting range: Undetermined.  
Boiling point/Boiling range: 0 °C (32 °F)  
Flash point: 0 °C (32 °F)  
Flammability (solid, gas): No data available.  
Ignition temperature:  
Decomposition temperature: No data available.  
Autoignition: Product is not selfigniting.  
Danger of explosion: Product does not present an  
explosion hazard.  
Explosion limits:  
Lower: No data available.  
Upper: No data available.  
Vapor pressure: N/A  
Density: No data available.  
Relative density No data available.  
Vapor density N/A  
Evaporation rate N/A  
Solubility in / Miscibility with  
Water: Insoluble.  
Partition coefficient (n-octanol/water): No data  
available.

Viscosity:  
Dynamic: N/A  
Kinematic: N/A  
Solvent content:  
Organic solvents: 0.0 %  
Other information No data available

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## **SECTION 10. STABILITY AND REACTIVITY**

Reactivity  
Chemical stability  
Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.  
Possibility of hazardous reactions No dangerous reactions known.  
Conditions to avoid No data available  
Incompatible materials: No data available  
Hazardous decomposition products: No dangerous decomposition products known.

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## **SECTION 11. TOXICOLOGICAL INFORMATION**

Information on toxicological effects  
Acute toxicity:  
Primary irritant effect:  
on the skin: No irritant effect.  
on the eye: No irritating effect.  
Sensitization: No sensitizing effects known.  
Additional toxicological information:  
Carcinogenic categories  
IARC (International Agency for Research on Cancer)  
None of the ingredients is listed.  
NTP (National Toxicology Program)  
None of the ingredients is listed.  
OSHA-Ca (Occupational Safety & Health Administration)  
None of the ingredients is listed.

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## **SECTION 12. ECOLOGICAL INFORMATION**

Toxicity  
Aquatic toxicity: No data available  
Persistence and degradability No data available  
Bioaccumulative potential No data available  
Mobility in soil No data available  
Additional ecological information: Not known to be hazardous to water.  
Results of PBT and vPvB assessment  
PBT: N/A

vPvB: N/A

Other adverse effects No data available

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## **SECTION 13. DISPOSAL CONSIDERATIONS**

Waste treatment methods

Recommendation:

Must not be disposed of together with household garbage. Do not allow product to enter drains, sewage systems, or other water courses system.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

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## **SECTION 14. TRANSPORT INFORMATION**

UN-Number

DOT, ADN, IMDG, IATA not regulated

UN proper shipping name

DOT, ADN, IMDG, IATA not regulated

Transport hazard class(es)

DOT, ADN, IMDG, IATA

Class not regulated

Packing group

DOT, IMDG, IATA not regulated

Environmental hazards:

Marine pollutant: No

Special precautions for user N/A

Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code N/A

UN "Model Regulation": -

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## **SECTION 15. REGULATORY INFORMATION**

Safety, health and environmental  
regulations/legislation specific for the substance or  
mixture

Sara

Section 355 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

TSCA (Toxic Substances Control Act):

None of the ingredients is listed.

Proposition 65

Chemicals known to cause cancer:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for

females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for

males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

Carcinogenic categories

EPA (Environmental Protection Agency)

None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms

GHS07

Signal word Warning

Hazard statements

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P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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## 16. OTHER INFORMATION

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). 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 applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. American Elements shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. COPYRIGHT 1997-2022 AMERICAN ELEMENTS. LICENSED GRANTED TO MAKE UNLIMITED PAPER COPIES FOR INTERNAL USE ONLY.

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