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### SECTION 1: Product Identification

<b>Product name</b>	[(S)-(-)-2,2'-Bis(di-p-tolylphosphino)-1,1'-binaphthyl]palladium (II) chloride, 99%
<b>CAS #</b>	None
<b>Catalog #</b>	0460900
<b>Chemical family</b>	Organophosphorus palladium complex

### SECTION 2: Composition, Information on Ingredients

Component	%	CAS #	EINECS #	Hazard Symbol	R-Phrase
[(S)-(-)-2,2'-Bis(di-p-tolylphosphino)-1,1'-binaphthyl]palladium (II) chloride	99	None	none	none	none

### SECTION 3: Hazard Identification

<b>Emergency overview</b>	May be irritating to the respiratory tract.
<b>Eye contact</b>	May cause slight to mild irritation of the eyes.
<b>Skin contact</b>	May cause slight to mild irritation of the skin.
<b>Inhalation</b>	Irritating to the nose, mucous membranes and respiratory tract
<b>Ingestion</b>	No information available
<b>Chronic health effects</b>	No information available

### SECTION 4: First Aid Measures

<b>Eye exposure</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid immediately.
<b>Skin exposure</b>	Wash the affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.
<b>Inhalation</b>	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.
<b>Ingestion</b>	If victim is conscious, give 2-4 cupfuls of water. Get medical aid.

### SECTION 5: Fire Fighting Measures

<b>General information</b>	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. If involved in a fire this material may emit toxic organic fumes.
<b>Extinguishing media</b>	Use CO <sub>2</sub> , dry powder or foam

### SECTION 6: Accidental Release Measures

<b>Spill and leak procedures</b>	Small spills can be mixed with vermiculite or sodium carbonate and swept up.
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SECTION 7: Handling and Storage	
<b>Handling</b>	Do not get in eyes, on skin, or on clothing.
<b>Storage</b>	Store in a tightly closed container. Keep away from heat and direct sunlight.
SECTION 8: Exposure Controls and Personal Protection	
<b>Eye protection</b>	Always wear approved safety glasses when handling a chemical substance in the laboratory.
<b>Skin protection</b>	Wear protective gloves.
<b>Ventilation</b>	Material may form a fine dust. If possible, handle the material in an efficient fume hood.
<b>Respirator</b>	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	
<b>Appearance</b>	Yellow xtl.
<b>Odor</b>	None
<b>Melting point</b>	No data
<b>Boiling point</b>	No data
<b>Flash point</b>	No data
<b>Solubility in water</b>	Insoluble
<b>Specific gravity</b>	No data
<b>Molecular formula</b>	C <sub>48</sub> H <sub>40</sub> Cl <sub>2</sub> P <sub>2</sub> Pd
<b>Molecular weight</b>	856.12
SECTION 10: Stability and Reactivity	
<b>Stability</b>	Air and moisture stable solid.
<b>Hazardous polymerization</b>	No hazardous polymerization
<b>Conditions to avoid</b>	None
<b>Incompatibilities with other materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Carbon monoxide, oxides of phosphorus, carbon dioxide, organic fumes.
SECTION 11: Toxicological Information	
<b>RTECS Data</b>	No information available in the RTECS files.
<b>Carcinogenic effects</b>	No data available.
<b>Mutagenic effects</b>	No data available.
<b>Teratogenic effects</b>	No data available.
SECTION 12: Ecological Information	
<b>Ecological information</b>	No information available.
SECTION 13: Disposal Considerations	
Dispose of in a manner consistent with federal, state, and local regulations.	

SECTION 14: Transport Information	
<b>Shipping name (CFR)</b>	Non-hazardous
<b>Hazard class (CFR)</b>	NA
<b>Additional hazard class (CFR)</b>	NA
<b>Packing group (CFR)</b>	NA
<b>UN ID number (CFR)</b>	NA
<b>Shipping name (IATA)</b>	Non-hazardous
<b>Hazard class (IATA)</b>	NA
<b>Additional hazard class (IATA)</b>	NA
<b>Packing group (IATA)</b>	NA
<b>UN ID number (IATA)</b>	NA
SECTION 15: Regulatory Information	
<b>TSCA</b>	Non listed in the TSCA inventory
<b>SARA</b>	Not reportable under SARA Title 313
SECTION 16: Other Information	
<b>Preparation date</b>	05.02.06
<b>Revision date</b>	05.02.06
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