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SECTION 1: Product Identification

Product name	1,1'-Bis(diphenylphosphino)ferrocene palladium dichloride, 98%
CAS #	Not available
Catalog #	0460800
Chemical family	Metal phosphine complex

SECTION 2: Composition, Information on Ingredients

Component	%	CAS #	EINECS #	Hazard Symbol	R-Phrase
1,1'-Bis(diphenylphosphino)ferrocene palladium dichloride	98	Not available	none	XI	36/37/38

SECTION 3: Hazard Identification

Emergency overview	May be harmful by inhalation, in contact with skin and if swallowed.
Eye contact	May cause mild irritation of the eyes.
Skin contact	May cause slight irritation of the skin.
Inhalation	Harmful by inhalation, irritating to the nose, mucous membranes and respiratory tract.
Ingestion	Ingestion may cause dizziness and vomiting.
Chronic health effects	Not available.

SECTION 4: First Aid Measures

Eye exposure	Flush eyes with of water for at least 10-15 minutes, get medical aid immediately.
Skin exposure	Wash the affected area with water. Remove contaminated clothes if necessary. Get medical aid.
Inhalation	Remove the victim 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.
Ingestion	Do NOT induce vomiting without medical consultation. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Seek medical attention.

SECTION 5: Fire Fighting Measures

General information	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.
Extinguishing media	Dry chemical, carbon dioxide, or chemical foam.

SECTION 6: Accidental Release Measures

Spill and leak procedures	Small spills can be mixed with vermiculite or sodium carbonate or other inert material and swept up.
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SECTION 7: Handling and Storage	
Handling	Avoid inhalation. Avoid contact with skin and eyes.
Storage	Store in a cool, dry place, avoid contact with direct sunlight. Store in a tightly closed container.
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 fume hood.
Respirator	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	
Appearance	Brown-red pwdr.
Odor	Not determined
Melting point	No data
Boiling point	No data
Flash point	No data
Solubility in water	Insoluble
Specific gravity	No data
Molecular formula	C ₃₄ H ₂₈ Cl ₂ FeP ₂ Pd
Molecular weight	731.70
SECTION 10: Stability and Reactivity	
Stability	Are and moisture stable solid.
Hazardous polymerization	No hazardous polymerization.
Conditions to avoid	Contact with strong oxidizing agents.
Incompatibilities with other materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon dioxide, carbon monoxide, phosphorus oxides, hydrogen chloride, iron oxides, and palladium salts, organic fumes.
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 information	No information available.
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 class (CFR)	NA
Packing group (CFR)	NA
UN ID number (CFR)	NA
Shipping name (IATA)	Non-hazardous
Hazard class (IATA)	NA
Additional hazard class (IATA)	NA
Packing group (IATA)	NA
UN ID number (IATA)	NA
SECTION 15: Regulatory Information	
TSCA	Not listed in the TSCA inventory.
SARA	Not reportable under SARA Title 313.
SECTION 16: Other Information	
Preparation date	26.10.06
Revision date	26.10.06
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