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**SECTION 1: Product Identification**

<b>Product name</b>	1,1'-Bis(diphenylphosphino)ferrocene, 99%
<b>CAS #</b>	12150-46-8
<b>Catalog #</b>	0260150
<b>Chemical family</b>	Metallocene

**SECTION 2: Composition, Information on Ingredients**

<b>Component</b>	<b>%</b>	<b>CAS #</b>	<b>EINECS #</b>	<b>Hazard Symbol</b>	<b>R-Phrase</b>
1,1'-Bis(diphenylphosphino)-ferrocene	99	12150-46-8	none	none	none

**SECTION 3: Hazard Identification**

<b>Emergency overview</b>	Harmful by inhalation, in contact with skin and if swallowed.
<b>Eye contact</b>	Cause mild irritation of the eyes
<b>Skin contact</b>	Cause mild irritation of the skin
<b>Inhalation</b>	Harmful by inhalation. Irritating to the nose, mucous membranes and respiratory tract.
<b>Ingestion</b>	May be harmful if swallowed
<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.
<b>Extinguishing media</b>	Carbon dioxide, 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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<b>SECTION 7: Handling and Storage</b>	
<b>Handling</b>	Avoid inhalation. Do not get in eyes, on skin and clothing.
<b>Storage</b>	Store in a tightly closed container. Store in cool dry place.
<b>SECTION 8: Exposure Controls and Personal Protection</b>	
<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>	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.
<b>SECTION 9: Physical and Chemical Properties</b>	
<b>Appearance</b>	Yellow to orange xtl.
<b>Odor</b>	None
<b>Melting point</b>	182-186 °C
<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>	C34H28FeP2
<b>Molecular weight</b>	554.39
<b>SECTION 10: Stability and Reactivity</b>	
<b>Stability</b>	Moisture and air stable solid.
<b>Hazardous polymerization</b>	No hazardous polymerization.
<b>Conditions to avoid</b>	Incompatible materials.
<b>Incompatibilities with other materials</b>	Oxidizing agents.
<b>Hazardous decomposition products</b>	Carbon monoxide, carbon dioxide, iron oxides, phosphorus oxides.
<b>SECTION 11: Toxicological Information</b>	
<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>Tetratogenic effects</b>	No data available.
<b>SECTION 12: Ecological Information</b>	
<b>Ecological information</b>	No information available.
<b>SECTION 13: Disposal Considerations</b>	
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>	29.04.04
<b>Revision date</b>	25.01.12
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