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SECTION 1: Product Identification

Product name	4,6-Bis(diphenylphosphino)phenoxazine, 98+% NIXANTPHOS
CAS #	261733-18-0
Catalog #	0153850
Chemical family	Organophosphine ligand

SECTION 2: Composition, Information on Ingredients

Component	%	CAS #	EINECS #	Hazard Symbol	R-Phrase
4,6-Bis(diphenylphosphino)-phenoxazine	98	261733-18-0	none	none	none

SECTION 3: Hazard Identification

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

SECTION 4: First Aid Measures

Eye exposure	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid immediately.
Skin exposure	Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.
Inhalation	Remove from exposure to fresh air immediately. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, pain, etc. In such cases seek immediate medical assistance.
Ingestion	Get medical aid. Wash mouth out with water.

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.
Extinguishing media	Use dry chemical, carbon dioxide, or chemical foam.

SECTION 6: Accidental Release Measures

Spill and leak procedures	Small spills can be mixed with vermiculite or other suitable absorbents and swept up. Vacuum or sweep up material and place into a suitable disposal container.
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SECTION 7: Handling and Storage	
Handling	Avoid contact with skin and eyes. Handle under inert atmosphere of nitrogen or argon.
Storage	Store in dry place. Store cooled (under temperature < 4-5 °C). Store in a tightly closed container under nitrogen or argon.
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	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	White xtl.
Odor	None
Melting point	257-265 °C
Boiling point	No data
Flash point	No data
Solubility in water	No data
Specific gravity	No data
Spec Rotation	None
Molecular formula	C ₃₆ H ₂₇ NOP ₂
Molecular weight	551.55
SECTION 10: Stability and Reactivity	
Stability	Air sensitive solid.
Hazardous polymerization	No hazardous polymerization.
Conditions to avoid	Incompatible materials.
Incompatibilities with other materials	Oxidizing agents.
Hazardous decomposition products	Carbon monoxide, carbon dioxide, phosphorus pentoxide, nitrogen oxides and 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.
Tetragenic 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	Non listed in the TSCA inventory
SARA	Not reportable under SARA Title 313
SECTION 16: Other Information	
Preparation date	10.03.05
Revision date	07.02.12
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