



Material Safety Data Sheet

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SECTION 1: Product Identification

Product name	Tris(p-methoxyphenyl)phosphine, 98%
CAS #	855-38-9
Catalog #	0153100
Chemical family	Organophosphine ligand

SECTION 2: Composition, Information on Ingredients

Component	%	CAS #	EINECS #	Hazard Symbol	R-Phrase
Tris(p-methoxyphenyl)-phosphine	98	855-38-9	212-723-0	Xi	36/37/38

SECTION 3: Hazard Identification

Emergency overview	Irritating to the eyes, skin and respiratory tract.
Eye contact	Cause slight irritation of the eyes.
Skin contact	Cause slight irritation of the skin.
Inhalation	Cause slight irritation of the respiratory tract.
Ingestion	The toxicological properties of this substance have not been fully investigated.
Chronic health effects	No information available

SECTION 4: First Aid Measures

Eye exposure	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.
Skin exposure	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Seek medical assistance if irritation persists.
Inhalation	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.
Ingestion	If victim is conscious, give 2-4 cupfuls of water. Get medical aid.

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	Use CO ₂ , dry powder or foam, water spray.

SECTION 6: Accidental Release Measures

Spill and leak procedures	Small spills can be mixed with vermiculite or sodium carbonate and swept up.
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SECTION 7: Handling and Storage	
Handling	Minimize dust generation. Do not get in eyes, on skin, or on clothing.
Storage	Store in a tightly closed container. Store in cool dry place.
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	White to pale yellow xtl.
Odor	None
Melting point	131-134 °C
Boiling point	No data
Flash point	No data
Solubility in water	Insoluble
Specific gravity	No data
Molecular formula	C ₂₁ H ₂₁ O ₃ P
Molecular weight	352.37
SECTION 10: Stability and Reactivity	
Stability	Air sensitive solid.
Hazardous polymerization	No hazardous polymerization
Conditions to avoid	Contact with air and moisture.
Incompatibilities with other materials	Oxidizing agents.
Hazardous decomposition products	Carbon monoxide, oxides of phosphorus, carbon dioxide, 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	CAS# 855-38-9 is listed in the TSCA inventory
SARA	Not reportable under SARA Title 313
SECTION 16: Other Information	
Preparation date	07.08.03
Revision date	07.08.12
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