

MATERIAL SAFETY DATA SHEET (MSDS)



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Section 1 - Product Identification

Product Name: Triisobutyl Phosphate

Synonyms: isobutyl phosphate, TIBP, phosphoric acid triisobutyl ester

Molecular formula: $C_{12}H_{27}O_4P$

CAS No: 126-71-6

EINECS No: 204-798-3

Section 2 - Composition/Information on Ingredients

CAS#	Chemical Name	%	Haz Symbols
126-71-6	Tri-isobutyl Phosphate	99%	No

Section 3 - Hazards Identification, Including Emergency Overview

Health Hazards Acute & Chronic: HARMFUL IF SWALLOWED.

Signs & Symptoms of Overexposure:

SEE HEALTH HAZARDS.

Medical Conditions Aggravated by Exposure:

NONE SPECIFIED BY MANUFACTURER.

LD50 LC50 Mixture: LD50:(ORAL,RAT) 3000 MG/KG.

Route of Entry Indicators:

Inhalation: NO

Skin: NO

Ingestion: YES

Carcenogenicity Indicators

NTP: NO

IARC: NO

OSHA: NO

Carcinogenicity Explanation: NOT RELEVANT

Section 4 - First Aid Measures

First Aid:

SKIN: WASH IMMEDIATELY W/PLENTY OF WATER. EYE:RINSE IMMEDIATELY W/PLENTY OF WATER FOR AT LEAST 15 MINUTES & SEEK MEDICAL ADVICE. INHAL:REMOVE TO FRESH AIR & SEEK MEDICAL ADVICE. INGEST:ALLOW VICTIM TO RINSE HIS MOUTH & THEN TO DRINK A LOT OF WATER & SEEK MEDICAL ADVICE.

Section 5 - Fire Fighting Measures

Fire Fighting Procedures:

USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N).

Unusual Fire or Explosion Hazard:

NOT APPLICABLE

Extinguishing Media:

WATER, CARBON DIOXIDE, DRY CHEMICAL.

Autoignition Temperature:

Autoignition Temperature Text: N/A

Lower Limit(s): N/A

Upper Limit(s): N/A

Section 6 - Accidental Release Measures

Spill Release Procedures:

ABSORB ON VERMICULITE, SAND OR A PILLOW FROM CHEMICAL SPILL CENTER & PLACE IN A CLOSED CONTAINER FOR DISPOSAL.

Section 7 - Handling and Storage

Handling and Storage Precautions: N/A

Other Precautions: N/A

Section 8 - Exposure Controls & Personal Protection

Respiratory Protection:

NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N).

Ventilation:

NONE SPECIFIED BY MANUFACTURER.

Protective Gloves:

IMPERVIOUS GLOVES (FP N).

Eye Protection: ANSI APPROVED CHEM WORKERS GOGGS (FP N).

Other Protective Equipment: NOT APPLICABLE

Work Hygenic Practices: NONE SPECIFIED BY MANUFACTURER.

Supplemental Health & Safety Information: VP:<0.1 MBAR @ 68F. WASTE DISP METH:ON VERMICULITE SHOULD BE WRAPPED IN PAPER & BURNED IN AN APPROVED INCINERATOR.

Section 9 - Physical & Chemical Properties

Boiling Point: Boiling Point Text: 205C

Decomposition Point: Decomposition Text: N/A

Vapor Pressure: N/A

Vapor Density: N/A

Percent Volatile Organic Content: N/A

Specific Gravity: 0.965

pH: N/A

Solubility in Water: N/A

Appearance and Odor: CLEAR COLORLESS LIQUID.

Corrosion Rate: N/A

Section 10 - Stability & Reactivity Data

Stability Indicator: YES

Materials to Avoid:

STRONG OXIDIZING AGENTS, STRONG BASES.

Stability Condition to Avoid:

NOT APPLICABLE

Hazardous Decomposition Products:

CO, CO*2, PHOSPORUS OXIDES, PHOSPHINE.

Hazardous Polymerization Indicator: NO

Conditions to Avoid Polymerization:

NOT RELEVANT

Section 11 - Toxicological Information

Toxicological Information:

N/A

Section 12 - Ecological Information

Ecological Information:

N/A

Section 13 - Disposal Considerations

Waste Disposal Methods:

DISPOSAL SHOULD BE I/A/W LOCAL, STATE OR NATIONAL LEGISLATION. COMPOUND SHOULD BE BURNED. IDEALLY, ALL HYDROCARBONS & RELATED SOLVS SHOULD BE BURNED IN APPRVD PRESENCE OF SODIUM CARBONATE & CALCIUM HY DROXIDE (SLAKED LIME). SOLID/LIQ ABSORBED (SUPDAT)

Section 14 - Transport Information

Transport Information:

N/A

Section 15 - Regulatory Information

SARA Title III Information:

N/A

Federal Regulatory Information:

N/A

State Regulatory Information:

N/A

Section 16 - Other Information

Other Information:

N/A

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