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Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center,  
Qianshan Rd. Hefei 230022 China

Tel : (0086) 551 65418695

Fax: (0086) 551 65418697

Email: sales16@tnjchem.com

Site: www.tnjchem.com

## Material Safety Data Sheet

### Triisobutyl phosphate

#### Section 1: Chemical Product and Company Identification

**Product Name:** Triisobutyl phosphate

**Catalog Codes:** Not available

**CAS#:** 126-71-6

**RTECS:** Not applicable.

**TSCA:** Not applicable

**CI#:** Not applicable.

**Synonym:** Isobutyl phosphate, TIBP, phosphoric acid triisobutyl ester

**Chemical Name:** Triisobutyl phosphate

**Chemical Formula:** Not applicable.

**Contact Information for Emergency:** (0086) 551 65418678

**Hefei TNJ Chemical Industry Co.,Ltd.**

B911 Xincheng Business Center

Qianshan Road, Hefei

230004Anhui

China

Tel : (0086) 551 65418678

Fax: (0086) 551 65418697

Email: info@tnjchem.com

Site: www.tnjchem.com

#### Section 2: Composition and Information on Ingredients

**Composition:**

Name	CAS # %	By Weight
Triisobutyl phosphate	126-71-6	≥ 99.0%

**Toxicological Data on Ingredients:** Not applicable.

#### Section 3: Hazards Identification

**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  
**Carcinogenicity 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 and Explosion Data

**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 goggles (fp n).

**Other protective equipment:** not applicable

**Work hygienic 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 and Chemical Properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	Clear liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Characteristic
<b>pH:</b>	No data available.
<b>Melting point:</b>	No data available.
<b>Boiling point:</b>	272°C at 1013 hPa
<b>Density:</b>	0.965 g/cm <sup>3</sup> at 20°C
<b>Vapour pressure:</b>	2 hPa at 20°C
<b>Partition coefficient (n-octanol/water):</b>	Log Kow (Pow): 3.6 (calculated)
<b>Solubility(ies):</b>	0.26 g/l at 20 °C
<b>Flash point:</b>	133°C at 1013.25 hPa
<b>Ignition temperature:</b>	430°C
<b>Flammable limits:</b>	No data available.
<b>Explosive properties:</b>	No data available.
<b>Oxidising properties:</b>	No data available.

### 9.2 Other information

<b>Viscosity:</b>	5 mPa · s (dynamic) at 20°C
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## Section 10: Stability and 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, phosphorus 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: Other Regulatory Information**

**SARA Title III Information:** N/A  
**Federal Regulatory Information:** N/A  
**State Regulatory Information:** N/A

**Section 16: Other Information**

**References:** Not available.  
**Other Special Considerations:** Not available.  
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