

TKPP MSDS.

Section 1: Product And Company Identification

Product Name: TKPP
Chemical Family: Potassium pyrophosphate
Product Use: Drilling Fluid Additive

Workplace Hazardous Information Systems Data:

Not a Controlled Product

Manufacturer Name: SPE Chemicals Co., Ltd
General Phone Number: +86-21-68735647

Section 2: Composition/Information On Ingredients

Chemical Name	Concentration	CAS#
Tetra potassium pyrophosphate	100	7320-34-5

Section 3: Hazards Identification

Emergency Overview: All treatments should base on observed signs and symptoms of distress in the patient. Considerations should be given to the possibility that overexposure to materials other than this product may have occurred.

Routes of Entry:

Skin Contact: Yes
Skin Absorption:
No Eye Contact: Yes
Inhalation: Yes
Ingestion: Yes

Potential Health Effects:

Skin: Causes skin irritation, sharp pain.
Eye: Causes eye irritation, possible blurred vision.
Inhalation: Dusts may be irritating to nose, throat, and respiratory tract, may cause shortness of breath.
Ingestion: May cause stomachache, sickness, vomiting.

Section 4: First Aid Measures

Eye Contact: Flush eyes with running water for at least 15 minutes. If adverse symptoms develop, seek medical attention
Skin Contact: Wash with soap and water. If adverse symptoms develop, seek medical attention.
Inhalation: Move victim to fresh air. If difficulty in breathing or symptoms of irritation persist, consult a physician.
Ingestion: If victim is conscious and alert, give two or more glasses of water to drink. Get medical attention.

Other First Aid: All treatments should base on observed signs and symptoms of distress in the patient. Considerations should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5: Fire Fighting Measures

Conditions Of Flammability: Non-flammable
Extinguishing Media: Dry chemical, carbon dioxide, foam, water
Flashpoint: Not Applicable
Upper Flammable Limit: Not Applicable
Lower Flammable Limit: Not Applicable
Autoignition Temperature: Not Applicable
Protective Equipment: Firefighters must wear appropriate breathing apparatus and clothing.
Sensitivity To Impact or Static Discharge: Not known
Hazardous Combustion Products: None known
Fire Comment:

Section 6: Accidental Release Measures

Personnel Precautions: Use proper personal protective equipment as listed in section 8.
Spill Cleanup Measures: Use appropriate safety equipment. Small spills, sweep up and put into approved DOT containers for disposal or reuse. Large spills, do not allow to enter waterways, sweep or shovel into approved DOT containers for reuse or disposal.

Section 7: Handling And Storage

Handling: Avoid ingestion. Practice reasonable caution and personal cleanliness. Avoid skin and eye contact.
Storage: Store in a cool, dry, well ventilated place. Keep container tightly closed and away from incompatible materials.

Section 8: Exposure Controls, Personal Protection - Exposure Guidelines

Engineering Controls: None required for normal use.
Personal Protective Equipment: Chemical resistant clothing is recommended including glove, apron and goggles.
Respiratory Protection: In absence of proper ventilation, recommended NIOSH approved dust respirator.
Exposure Limits: LD50 2000 mg/kg. (mouse)

Chemical Name	ACGIH TLV-TWA	OSHA PEL-TWA
Tetra potassium pyrophosphate		

Section 9: Physical And Chemical Properties

Physical State: Powder
Odour And Appearance: White powder, odourless
Odour Threshold: Not Available
Boiling Point: Not Applicable
Evaporation Rate: Not Available
Melting Point: Decomposes @ 350°C
Freezing Point: Not Available
Density: Not Available
Vapour Density: Not Available
Vapour Pressure: Not Available
pH: 10 - 11
Flash Point: Not Applicable
Volatility (% by volume): Not Available

Coefficient of Water to Oil distribution:

Not Available

Section 10: Stability And Reactivity

Chemical Stability: Yes
Hazardous Polymerization: Will not occur
Conditions Of Chemical Instability:
Incompatible Substances: None Known
Special Decomposition Products: None Known

Section 11: Toxicological Information

	LD50 (Oral Rat)	LD50 (Dermal Rabbit)	LC50 (Inhalation Rat)
Tetra potassium pyrophosphate	>2000mg/kg		

Effects Of Acute Exposure: Not known
Effects Of Chronic Exposure: Not Applicable
General Irritancy Of Product: Mildly acidic.
Sensitization: Not Applicable
Carcinogenicity: Not Applicable
Reproductive Toxicity: Not Applicable
Teratogenicity: Not Applicable
Embryotoxicity: Not Available
Mutagenicity: Not Applicable
Synergistic Products: Not Applicable

Section 12: Ecological Information

Ecotoxicity: Not Available
Environmental Fate: Not Available

Section 13: Disposal Considerations

Waste Disposal: All waste should be disposed of according to Federal, Provincial and local regulations. Containers should NOT be reused. Containers should be disposed of in accordance with government regulations.

Section 14: Transport Information

TDG Classification: Not Regulated
DOT UN Number: Not Regulated
Shipping Notes: No special requirements.

Section 15: Regulatory Information

Workplace Hazardous Information Systems Data (WHMIS):

Class ID	Class	Work Place Hazard
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None	Not a Controlled Product	
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This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

Section 16: Additional Information

MSDS Revision Date: January 1, 2008

MSDS Revision Notes:

Disclaimer:

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