



MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION OF PRODUCT

PRODUCT NAME: TKPP

PRODUCT USE: Oil Well Fluid Additive **CAS No.** 7320-34-5

CHEMICAL FAMILY: Tetra Potassium Pyrophosphate Anhydrous $K_4P_2O_7$

WORK PLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: Not a controlled product under WHMIS

WORK PLACE HAZARD: N/A

TRANSPORTATION OF DANGEROUS GOODS (TDG)

SHIPPING NAME: Not Dangerous Goods

TDG CLASSIFICATION: N/A

UN NUMBER (PIN): N/A

PACKING GROUP: N/A

SECTION II: HAZARDOUS INGREDIENTS

<u>INGREDIENT</u>	<u>PERCENT</u>	<u>CAS NUMBER</u>	<u>LD₍₅₀₎ Oral-Rat</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Tetra Potassium Pyrophosphate	>97%	7320-34-5	>2980 mg/kg	15 mg/m ³	10 mg/m ³

SECTION III: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: SKIN EYE CONTACT INHALATION INGESTION

EYE CONTACT: May cause irritation.

SKIN CONTACT: May cause irritation.

INGESTION: May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

INHALATION: May cause irritation.

SECTION IV: FIRST AID MEASURES

SKIN CONTACT: Remove this material from skin with plenty of soap and water. Prolonged contact with dry powder may cause drying or chapping of the skin.

EYE CONTACT: Immediately flush eyes with plenty of water. Seek medical attention if needed. This dry



MATERIAL SAFETY DATA SHEET

powder may cause foreign body irritations in some individuals.

INGESTION: Do not induce vomiting. If conscious and alert, give plenty of water to drink. Never give anything by mouth to any unconscious person. No significant health effects are expected if small amounts (less than a mouthful) are swallowed.

INHALATION: May cause coughing and sneezing. Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR:	White powder or granules; odourless
SPECIFIC GRAVITY:	N/A
BOILING POINT (°C):	N/A
MELTING POINT (°C):	641.5°C
pH:	10.2 – 10.7
SOLUBILITY IN WATER:	187g/100g H ₂ O
PERCENT VOLATILE BY VOLUME:	N/A
EVAPORATION RATE:	N/A
BULK DENSITY:	0.96 – 1.2 g/cc

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	N/A
FLAMMABLE LIMITS:	N/A
EXTINGUISHING MEDIA:	Non-combustible material.
SPECIAL FIRE FIGHTING PROCEDURES:	Self-contained respirators required for fire fighting personnel.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Extinguish all nearby sources of ignition.

SECTION VII: REACTIVITY DATA

STABILITY:	Stable [XX]	Unstable []
INCOMPATIBILITY (CONDITIONS TO AVOID):	Store away from moisture.	
CONDITIONS OF REACTIVITY:	Strong oxidizing agents, moisture, ammonia, magnesium, sodium, and calcium. Solutions of this product are corrosive to aluminium.	



MATERIAL SAFETY DATA SHEET

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of phosphorus.

HAZARDOUS POLYMERIZATION: Will Not Occur [XX] May Occur []

VIII: PREVENTIVE MEASURES

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NIOSH/MESA approved dust mask.

VENTILATION: General room ventilation.

PROTECTIVE GLOVES: Suggest plastic or rubber.

EYE PROTECTION: Suggest goggles.

OTHER PROTECTIVE EQUIPMENT (Specify): Suggest rubber apron.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in cool, dry place to maintain product performance. Product is hygroscopic and should be store in a dry area. Handle in accordance with good industrial hygiene and safety practices. Avoid eye contact. Wear protective gloves and wash hands immediately after handling. Avoid breathing dust.

STEPS TO BE TAKEN IN CASE THE MATERIAL IS SPILLED OR RELEASED

Sweep, scoop, or vacuum spilled material. Contaminated soil and other contaminated and place in clean, dry containers or removal. If possible, complete cleanup on a dry basis. Residual can be flushed with water.

WASTE DISPOSAL METHOD

Dispose of contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate regulatory agencies to ascertain proper disposal procedures.

SECTION IX: PREPARATION

THE INFORMATION CONTAINED HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.

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