

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER:	SAPP
OTHER MEANS OF IDENTIFICATION:	Sodium acid pyrophosphate
RECOMMENDED USE:	Oilwell drilling fluid and cement additive
RESTRICTIONS ON USE:	None known
SUPPLIER IDENTIFIER:	Jiangsu Khonor Chemicals Co., Limited

SECTION 2: HAZARD IDENTIFICATION

CLASSIFICATION: Serious eye damage / eye irritation – Category 2A

LABEL SYMBOLS:



SIGNAL WORD:

WARNING

CLASSIFICATION INFORMATION:

Causes serious eye irritation.

PRECAUTIONARY STATEMENTS:

Wash face, hands and any exposed skin thoroughly after handling. Wear eye protection/ face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

OTHER HAZARDS:

None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
Sodium acid pyrophosphate	7758-16-9	100

SECTION 4: FIRST AID MEASURES

SKIN CONTACT:	Wash thoroughly with water and soap. If irritation occurs and persists, obtain medical attention. Remove and launder contaminated clothing before rewearing.
EYE CONTACT:	Immediately flush with gently flowing warm water for minimum 15 minutes. Hold eyelids open to ensure thorough flushing. Obtain medical attention when flushing is complete and no further irritation is felt.
INGESTION:	Do not induce vomiting. Rinse mouth with water. Give one to two glasses of water dilute. Obtain medical attention immediately. Never give anything by mouth if victim is unconscious, rapidly losing consciousness or convulsing.
INHALATION:	Move to area free from dust. If victim is not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If breathing difficulties or distress continues obtain medical attention.
MOST IMPORTANT SYMPTOMS / EFFECTS:	Causes serious eye damage / eye irritation.
IMMEDIATE MEDICAL ATTENTION /	Treat symptomatically.
SPECIAL TREATMENT:	

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Use media appropriate for packaging and surrounding materials.
UNSUITABLE EXTINGUISHING MEDIA:	None.
SPECIFIC FIRE HAZARDS:	Noncombustible.
HAZARDOUS COMBUSTION PRODUCTS:	Toxic phosphorus oxide and sodium oxide fumes can be generated by thermal decomposition at elevated temperatures.
SPECIAL PROTECTIVE EQUIPMENT & PRECAUTIONS:	Self-contained breathing apparatus required for fire-fighting personnel.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Wear appropriate safety gear including eye and respiratory protection.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

Sweep up or vacuum to collect spilled material. Collect uncontaminated material for repackaging. Collect contaminated material in an approved container for disposal. Flush spill area thoroughly with water.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Avoid contact with eyes or prolonged skin contact. Avoid breathing dust. Avoid generating dust. Use good personal hygiene and housekeeping. Launder contaminated clothing before reuse.

CONDITIONS FOR SAFE STORAGE & INCOMPATIBILITIES

Store in a cool, dry, well-ventilated place away from acids. Obey hazard warnings and handle empty containers as if they were full.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:	Not established. Local nuisance dust levels apply.
ENGINEERING CONTROLS:	Use only with adequate ventilation. If user operations generate dust use process enclosure, local exhaust ventilation or other engineering controls to keep worker exposure below limits.
PERSONAL PROTECTIVE MEASURES	
RESPIRATORY PROTECTION:	Approved dust masks required for dust levels below TLV. Use a properly fitted particulate filter respirator complying with an approved standard if airborne concentrations exceeds TLV or if a risk assessment indicates this is necessary.
PROTECTIVE GLOVES:	Rubber gauntlets recommended.
EYE PROTECTION:	Wear tight fitting chemical goggles. Do not wear contact lenses.
OTHER PROTECTIVE EQUIPMENT (SPECIFY):	Protective clothing as required to prevent contact. Ensure eye-wash station and emergency shower are available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	White powder
ODOUR:	Odourless
ODOUR THRESHOLD:	Not applicable
pH:	4.0 – 5.0 (1% aqueous solution)
MELTING POINT / FREEZING POINT:	Not available
BOILING POINT / RANGE:	Not applicable
FLASH POINT:	Not applicable
EVAPORATION RATE:	Not applicable
FLAMMABILITY:	Not applicable

FLAMMABILITY / EXPLOSIVE LIMITS:	Not applicable
VAPOUR PRESSURE:	Not applicable
VAPOUR DENSITY:	Not applicable
RELATIVE DENSITY:	Not available
SOLUBILITY:	12.5 g/100 mL H ₂ O @ 25°C
PARTITION COEFFICIENT:	Not available
AUTO-IGNITION TEMPERATURE:	Not applicable
DECOMPOSITION TEMPERATURE:	Not available
VISCOSITY:	Not available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:	No known hazardous reactions.
CHEMICAL STABILITY:	Stable under normal conditions of storage and use.
POSSIBILITY OF HAZARDOUS REACTIONS:	None under normal conditions of storage and use.
CONDITIONS TO AVOID:	Extreme heat and excessive moisture.
INCOMPATIBLE MATERIALS:	Not available.
HAZARDOUS DECOMPOSITION PRODUCTS:	Phosphorous oxides and sodium oxides on thermal decomposition.

SECTION 11: TOXICOLOGICAL INFORMATION

PRODUCT TOXICITY:	LD50 (Oral, rat) = 3600 mg/kg
SKIN CONTACT:	May cause mild irritation with symptoms including redness and burning. Prolonged contact may cause drying or chapping of the skin.
EYE CONTACT:	Can cause severe irritation; symptoms include stinging, tearing redness and swelling.
INGESTION:	Ingestion of large quantities may cause nausea, vomiting and/or diarrhea.
INHALATION:	Dust may be irritating to the upper respiratory tract; symptoms include coughing, chest pain, runny nose and burning throat. Inhalation of high concentrations of dust may cause nasal stuffiness and nosebleeds.
CARCINOGENICITY:	No information available.
TERATOGENICITY:	No information available.
REPRODUCTIVE TOXICITY:	No information available.
MUTAGENICITY:	No information available.
CHRONIC TOXICITY:	No information available.
TARGET ORGAN EFFECTS:	Not available.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:	No information available.
PERSISTENCE AND DEGRADABILITY:	Not applicable to inorganic substances.
BIOACCUMULATIVE POTENTIAL:	Does not bioaccumulate.
MOBILITY IN SOIL:	Dissociates into ions.
OTHER ADVERSE EFFECTS:	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, provincial and local regulations. It is the responsibility of the end-user to determine if material meets the criteria of hazardous waste at the time of disposal. Empty containers, which have not been cleaned and purged, contain residual hazardous material and must be recycled, or disposed of, in accordance with local regulations.

SECTION 14: TRANSPORTATION INFORMATION

TDG	Not regulated
DOT	Not regulated
IATA	Not regulated
IMDG	Not regulated
UN NUMBER:	Not applicable
PROPER SHIPPING NAME:	Not applicable
CLASS:	Not applicable
PACKING GROUP:	Not applicable
IMDG HAZARDS:	Not a marine pollutant
BULK TRANSPORT:	Not regulated
SPECIAL PRECAUTIONS:	None

SECTION 15: REGULATORY INFORMATION

DSL:	Listed
WHMIS CLASS:	D2B
TSCA:	Listed

SECTION 16: OTHER INFORMATION

REVISION DATE:	February 21, 2018
REPLACES:	None

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