Linphos Chemical, Inc.
—Specializing in Phosphorus Chemistry for 35 Years

Safety Data Sheet

Section 1 - Chemical Product and Company Identification

SDS Name: Polyphosphoric Acid, 95-125%

Synonyms: perphosphoric acid,condensed phosphoric acid

Supplier/Further Information: Linphos Chemical,Inc

Address: 113 Progress Drive,Rincon,GA 31326

Phone: (912) 677 - 9094 (281) 733-1634

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
8017-16-1	Polyphosphoric Acid	95-125%	232-417-0

Hazard Symbols: C

Risk Phrases: 34

Section 3 - Hazards Identification

SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT
CAUSES BURNS.

Section 4 - First Aid Measures

AFTER INHALATION

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

AFTER EYE CONTACT

Assure adequate flushing of the eyes by separating the eyelids with fingers.

AFTER INGESTION

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Section 5 - Fire Fighting Measures

EXTINGUISHING MEDIA

Suitable: Carbon dioxide, dry chemical powder, or appropriate foam.

SPECIAL RISKS

Specific Hazard(s): Emits toxic fumes under fire conditions.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6 - Accidental Release Measures

PERSONAL PRECAUTION PROCEDURES TO BE FOLLOWED IN CASE OF LEAK OR SPILL

Evacuate area.

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

METHODS FOR CLEANING UP

Cover with dry lime or soda ash, pick up, keep in a closed container, and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

HANDLING

Directions for Safe Handling: Avoid inhalation. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure.

STORAGE

Conditions of Storage: Keep tightly closed.

Section 8 - Exposure Controls, Personal Protection

ENGINEERING CONTROLS

Safety shower and eye bath. Use only in a chemical fume hood.

GENERAL HYGIENE MEASURES

Wash thoroughly after handling. Wash contaminated clothing before reuse. Discard contaminated shoes.

PERSONAL PROTECTIVE EQUIPMENT

Special Protective Measures: Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing. Face shield (8-inch minimum).

Section 9 - Physical and Chemical Properties

Molecular Formula: $H_{n+2}P_nO_{3n+1}$	Appearance: transparent and sticky liquid
PH: N/A	BP/BP Range: 300°C ∽ 400 °C (760 mmHg)
Flash Point: N/A	MP/MP Range: 16 °C ∽ 50 °C
Flammability: N/A	SG/Density: 1.8-2.2g/cm3 @20℃
Autoignition Temp: N/A	Viscosity: > 24 mPa/s @80℃ (just for reference)
Oxidizing Properties: N/A	Surface Tension: N/A
Explosive Properties: N/A	Conductivity: N/A
Explosion Limits: N/A	Solubility: Miscible
Vapor Pressure: N/A	
Vapor Density: N/A	
Evaporation Rate: N/A	
Decomposition Temp: N/A	

Section 10 - Stability and Reactivity

STABILITY: Stable

Conditions of Instability: Moisture.

Conditions to Avoid: Direct sunlight Moisture.

Materials to Avoid: Reacts with water to generate heat and form phosphoric acid. The reaction is not violent, Bases

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Thermal decomposition may produce toxic fumes of phosphorus oxides and/or phosphine, Phosphoric acid.

HAZARDOUS POLYMERIZATION **Hazardous Polymerization:** Will not occur

Section 11 - Toxicological Information

SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. May cause cyanosis (blue-gray coloring of skin and lips causedby lack of oxygen). Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting. Inhalation may result in spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis, and pulmonary edema. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin.

ROUTE OF EXPOSURE

Multiple Routes: May be harmful by inhalation, ingestion, or skin absorption.

Section 12 - Ecological Information

TARGET ORGAN INFORMATION

Bone marrow. Blood. Liver.

Section 13 - Disposal Considerations

SUBSTANCE DISPOSAL

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information

Transportation Status: IMPORTANT! Statements below provide additional data on listed DOT classification.

The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

Hazard Class: 8

Shipping Name: POLYPHOSPHORIC ACID95-125%

ID Number:

POLYPHOSPHORIC ACID 95%~124.9%: UN3264

POLYPHOSPHORIC ACID 125%: UN3260

Packing Group: III

Label: CORROSIVE

Emergency Guide: 154

Section 15 - Regulatory Information

CLASSIFICATION AND LABELING ACCORDING TO EU DIRECTIVES

INDICATION OF DANGER: C

Corrosive.

R-PHRASES: 34

Causes burns.

S-PHRASES: 26-36/37/39-45

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves, and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).