



## Section 1 - Chemical Product and Company Identification

**Product Name** Polyphosphoric Acid extrapure, 83-87% P2O5  
**Product Code** 41098  
**CAS No** 8017-16-1  
**Use for** Laboratory Chemicals.  
**Company Name** Sisco Research Laboratories Pvt. Ltd.  
**Address** 608, B Wing, Satellite Gazebo, Andheri Ghatkopar Link Road,  
Andheri (E), Mumbai - 400 099, India

## Section 2 - Composition/Information on Ingredients

CAS#	Chemical Name	%	EINECS#
8017-16-1	Polyphosphoric Acid	83-85	232-417-0

No components need to be disclosed according to the applicable regulations.

## Section 3 - Hazards Identification

### Risk advice to man and the environment

Toxic if swallowed. Very toxic in contact with skin. Irritating to eyes, respiratory system and skin.

## Section 4 - First Aid Measures

### Risk advice to man and the environment

Toxic if swallowed. Very toxic in contact with skin. Irritating to eyes, respiratory system and skin.

## Section 5 - Fire Fighting Measures

**Eyes:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Skin:** Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Inhalation:** If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance.

**Notes to Physician:**

## Section 6 - Accidental Release Measures

### Extinguishing Media

**Suitable:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### Special Protective

**Equipment For Firefighters:** Wear self contained breathing apparatus for fire fighting if necessary.

## Section 7 - Handling and Storage



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**Personal precautions:** Use personal protective equipment. Avoid dust formation. Avoid breathing dust.  
Ensure adequate ventilation. Evacuate personnel to safe areas.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not  
let product enter drains.

**Methods for cleaning up:** Pick up and arrange disposal without creating dust. Keep in suitable, closed  
containers for disposal.

## Section 8 - Exposure Control / Personal Protection

### Personal Protective Equipment

**Respiratory Protection:** Where risk assessment shows air-purifying respirators are appropriate use a  
full-face particle respirator type N99 (US) or type P2 (EN 143) respirator  
cartridges as a backup to engineering controls. If the respirator is the sole  
means of protection, use a full-face supplied air respirator. Use respirators  
and components tested and approved under appropriate government standards  
such as NIOSH (US) or CEN (EU).

**Hand Protection:** The selected protective gloves have to satisfy the specifications of EU Directive  
89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

**Eye Protection:** Safety glasses

**Skin and body protection:** Choose body protection according to the amount and concentration of the  
dangerous substance at the work  
place.

**Hygiene measures:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and  
immediately after handling the product.

## Section 9 - Physical and Chemical Properties

Physical State: Liquid  
Molecular Formula: H<sub>6</sub>P<sub>4</sub>O<sub>13</sub>  
Molecular Weight: 337.93  
Melting point: 16°C (61°F)  
Boiling Point: 300°C (572°F) at 1,013 hPa (760 mmHg)

## Section 10 - Stability and Reactivity

**Storage stability:** Stable under recommended storage conditions.

**Materials to avoid:** Strong oxidizing agents

### Hazardous decomposition

#### Products formed under fire

conditions. - Oxides of phosphorus

## Section 11 - Toxicological Information



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**Acute toxicity:** LD50 2600 mg/kg (Rat) - Oral  
LD50 2740 mg/kg (Rabbit) - Dermal  
LD50 850 mg/m<sup>3</sup> (Rat) 1 h - Inhalation

**Irritation and corrosion:** No data available

**Sensitisation:** No data available

**Chronic exposure:** IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

## Signs And Symptoms

**Of Exposure:** No data available

## Route Of Exposure

**Inhalation:** No data available

**Skin :** No data available

**Eyes:** No data available

**Ingestion:** No data available

## Section 12 - Ecological Information

No data available

## Section 13 - Disposal Considerations

**Product:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging:** Dispose of as unused product.

## Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S Polyphosphoric Acid		
Hazard Class:	8	8	
UN Number:	3264	3264	3264
Packing Group:	II	II	II

## Section 15 - Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

## Section 16 - Other Information

Sisco Research Laboratories Pvt. Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.