

PRODUCT SPECIFICATION: POLYPHOSPHORIC ACID 105% -117%

Section 1 – GENERAL	
Product Name:	Thermal Polyphosphoric Acid (concentrations from 105% to 117 % H ₃ PO ₄) Chemical formula H _(n+2) P _n O _(3n+1)
Description:	Clear and odourless liquid
Properties:	Density 2.02 to 2.06 g/cm ³ Boiling point 550°C
Toxicity:	Non-sensitising toxicological data not available. According to experience, product is considered to be harmless to health if used in the correct manner.
	General protective measures: avoid contact with the skin. Hygiene measures: clean skin thoroughly after working with the product. Hand protection- rubber gloves, eye protection – tight fitting safety glasses, body protection – acid proof protective clothing.
Precautions:	Suitable extinguishing media : Water spray, fog or alcohol foam. Emergency equipment including a self-contained breathing apparatus must be worn. The product under full combustion will form oxides of phosphorus.
Statutory Aspects:	UN 3264. Transported as Dangerous Goods. Chemical Initiatives (Pty) Ltd: Material Safety Data Sheet. Occupational Health and Safety Act, No:85 OF 1995.

Section 2 SPECIFICATION	
	Specification
Appearance	Clear and odourless liquid
Arsenic	50 ppm w/w maximum
Iron	30 ppm w/w maximum
Heavy metals	10 ppm w/w maximum
Fluorides	10 ppm w/w maximum

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Section 3 – TESTING

The material is sampled and tested according to the most recent editions of the Laboratory Test Methods Procedure. The sample is tested to the most recent edition of the method specified.

This product is manufactured and tested at:
Chamdor and other traded acid facilities.

Section 4 – PACKING

Bulk road tanker and isotank, 300kg & 335 kg blopacks (HDPE) and 40 kg polycans (HDPE)

Section 5 – DOCUMENTATION

This specification is based on: Information from the Chamdor Factory.

Section 6 – USES

Catalyst manufacture, pharmaceutical synthesis, ortho phosphoric acid manufacture and polyphosphoric acid ester manufacture.

Section 7 – REASON FOR REVISION

September 2013 – New template