



Product Name: **Monoaluminum Phosphate**

Grade: **Technical**

MSDS: **81**

PURIFIED ACID PRODUCTS

Order Codes: **MALP33, MALPTG85**

Source: Cincinnati, OH

Alternate Names:

DESCRIPTION:

MALP33 is a viscous, water-white liquid containing approximately 50% $\text{Al}(\text{H}_2\text{PO}_4)_3$. It provides a controlled ratio of P_2O_5 to Al_2O_3 . MALPTG85 is a blend of MALP33 and technical grade phosphoric acid.

PRODUCT SPECIFICATIONS		
COMPONENT	MALP33	MALPTG85
P_2O_5 , %	33.7 – 35.0	47.5 – 48.0
Al_2O_3 , %	7.8 – 8.2	3.8 – 4.1
pH (1% solution)	2.1 – 2.4	1.7 – 2.0
Specific Gravity @ 80°F	1.460 – 1.490	1.550 – 1.650

PHYSICAL PROPERTIES		
Density, lbs/gal	12.1 – 12.4	12.9 – 13.7
Appearance	Viscous water white liquid.	

The typical analysis is available upon request. If certain properties are critical for your purpose, please discuss them with us.

PACKAGES: Pails, drums, bulk

SHIPPING: Refer to MSDS

SAFETY, STORAGE & HANDLING:

Store in stainless steel or fiberglass tanks. Product is non-flammable but is corrosive to skin tissues. When handling, wear rubber gloves and chemical safety goggles. NOTE: The Material Safety Data Sheet for this product must be reviewed by all personnel who handle or come into contact with it. This information may be obtained by calling PCS Sales Customer Service at 1 (800) 654-4514 or through our website at www.potashcorp.com.

APPLICATIONS & OPERATING GUIDELINES

Applications – Monoaluminum phosphate is used in metal coating and refractory applications as a bonding agent.