



LAS

LIQUID AMMONIUM SULFATE (LAS)

CROSSLINKED POLYETHYLENE STORAGE TANK SYSTEMS (XLPE)

Tanks built to give you greater useful life storing LAS

Liquid Ammonium Sulfate (LAS) has become widely accepted as a stable and effective source of ammonia for chloramination. Alternatives such as anhydrous or aqueous ammonia are hazardous, sometimes requiring pressurized storage tanks as well as special handling and safety procedures. Unlike aqueous ammonia, LAS has an indefinite storage life, it is odorless and non-toxic.

Poly Processing Company's XLPE tanks are engineered for your specific LAS requirements:

- Poly Processing's crosslinked XLPE tanks can make your storage system work ideally for storing LAS. An Integrally Molded Flanged Outlet, IMFO® system is ideal for LAS storage giving you greater discharge control and ease of cleaning, since the tank feeds through its true bottom. This fitting is molded into the tank at lowest point possible on the sidewall which avoids sediment buildup and leak points with total drainage and potential leaks with mechanically attached fittings. The IMFO tanks are available in Flat Bottom as well as Sloped Bottom.
- Poly Processing's XLPE tanks have 10 times the Environmental Stress Crack Resistance of High Density Linear Polyethylene (HDPE) tanks and seamless construction which eliminates the potential for chemical attack points and bad welds or joints found in some fiberglass tanks and steel tanks.
- Components for your tank should include PVC fittings, 316 SS bolts, and EDPM gaskets.

Contact Us at 800-523-9871 or 866-765-9957

E-MAIL: SALES@POLYPROCESSING.COM

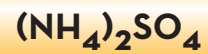
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TECHNICAL OVERVIEW:

LIQUID AMMONIUM SULFATE STORAGE SYSTEM

TANK

Vertical Tanks with IMFO® or Sloped Bottom Tanks with IMFO® of XLPE:

- 200-15,500 gallons
- 1.35 spg rating

Non-IMFO® alternatives:

SAFE-Tank® Double Wall of XLPE:

- 55-8,700 gallons
- 1.35 spg rating for primary tank
- Spg ratings for secondary tanks must be equal to primary tank.
- All other tank sizes must equal primary tank spg rating.

Standard Vertical Flat Bottom XLPE:

- 30-15,500 gallons
- 1.35 spg rating

SECONDARY CONTAINMENT

Recommend **SAFE-Tank®** secondary XLPE as shown above.

Non-SAFE-Tank® alternatives:

- PPC secondary containment basin
- Other secondary containment suitable for LAS of adequate size for use



Full Drain Tank
IMFO® Slope or Flat Bottom



110% Containment
SAFE-Tank®

PLUMBING TO THE TANK

- Required use of **flexible connections** with fittings on lower one-third of sidewall
 - » Allows for lateral and vertical expansion and contraction of the tank
 - » Reduces pump and piping vibration stress on the tank
- Expansion joints must meet the following minimum requirements:
 - » Axial Compression $\geq 0.67''$
 - » Axial Extension $\geq 0.67''$
 - » Lateral Deflection $\geq 0.51''$
 - » Angular Deflection $\geq 14^\circ$
 - » Torsional Rotation $\geq 4^\circ$

VENTING

Go to www.polyprocessing.com/venting for venting information.

FOUNDATION AND RESTRAINTS

- PPC IMFO® tank pad or smooth concrete foundation designed to accommodate IMFO®, SAFE-Tank® or vertical tank
- No restraint or ladder attachment bands circumscribing the tank are allowed. Cable restraint systems must pass cables over the top of the tank.

TEMPERATURE

Product should not exceed 100°F at delivery or during storage to reduce the decomposition of the chemical.

LID

SAFE-Surge® manway cover for pneumatically loaded tanks; bolted manway cover for all other applications.

OPTIONS

Restraint systems for wind and seismic, level gauges, ladders, heating pads, insulation, NSF-61 certification and engineering stamp.

CHEMICAL	RESIN TYPE	SPECIFIC GRAVITY RATING	FITTING MATERIAL	GASKET MATERIAL	BOLT MATERIAL
Liquid Ammonium Sulfate	XLPE	1.35	PVC	EPDM	316SS