

Blue Line Chemicals

PRODUCT DATA SHEET

PHPA LIQUID

PHPA Liquid is a fully cross-linked, anionic, acrylamide dispersion developed for use as an absorbent or agglomeration aid. It is insoluble in water and most organic solvents.

TYPICAL PROPERTIES

Appearance White Liquid

Active Content 50%

Specific Gravity 1.08-1.12

Absorptive Capacity (grams of H₂O/gram of polymer)

DI Water ~100/1

3% Salt Solution ~20/1

60% Absorption Rate ~3 Minutes

APPLICATIONS

PHPA Liquid is capable of absorbing between 20 - 100 times its own weights of water while remaining as small, separate individual particles. The absorption of water causes the particles to

swell to a volume greater than their original size. Once absorbed, the water is tightly bound and

will not be released unless subjected to very high pressure, heat or certain chemicals.

PHPA Liquid can be used for numerous applications, including:

- Industrial dewatering of toxic or hazardous wastes.
- Dewatering of mineral slurries prior to transport.
- Agglomeration of precious minerals, e.g., gold ore fines, prior to leaching and extraction.
- Oilfield applications including lost circulation control and disposal of waste drilling fluids.
- As a gellant in fire fighting.

PACKAGING AND STORAGE

PHPA Liquid is packaged in 275 gallon (2300 lbs. net), non-returnable, semi-bulk containers,

55 gallon (450 lbs.net), drums or 5 gallon (44 lbs. net) plastic pails packed 32 to a stretchwrapped

pallet. PHPA Liquid should be stored in a heated building at a temperature of 40-95°F (5-35°C). When stored under these conditions, the product has a shelf life of approximately six

months. If frozen, the product should be allowed to thaw completely and mixed prior to use.

HEALTH AND SAFETY

PHPA Liquid exhibits a low order of toxicity. However, precautions should be taken to avoid ingestion or contact with skin or eyes. For additional information, see the relevant MSDS.