

Capacity: 90,000 TPD

Year Built: 1978

Upgraded: 1986

Products:

- 1,3 butadiene (up to 99.8% pure)
- Raffinate 1
- Acetylenes off gas

Feedstock:

Crude C4 fraction from steam cracker

Technology:

Nippon Zeon (Japan)

Engineering:

Lurgi AG (Germany)

Major Equipment:

- Extractive Distillation Column
- Stripping Column
- Butadiene Recovery Column
- Fractionator Column
- Solvent Refining Column
- Styrene Cutter
- Solvent Surge Tank
- Butadiene Gas Compressor
- Fuel gas blowers
- Security control system

90,000 TPD BUTADIENE PLANT FOR SALE



BRIEF PROCESS DESCRIPTION

The process consists of four sections: 1) first extractive distillation; 2) second extractive distillation; 3) butadiene purification; and 4) solvent purification. In the first section of the plant, the hydrocarbon feed (C4 fraction) and the DMF solvent are fed to the first extractive distillation column. In the second extractive distillation section, the butadiene/acetylene stream from the first section also is separated into two fractions, again using DMF as the solvent. The butadiene/methyl acetylene rich overhead fraction is sent on to the butadiene purification section of the process where the remaining acetylenes are removed using two distillation columns and a pure 1,3-butadiene product stream is produced.

CONTACT US FOR MORE DETAILS

Phoenix Equipment Corporation

www.phxequip.com

+1 732 442 6990

Jesse Spector

plants@phxequip.com

Ed Zhang

Plant Sales Manager

plants@phxequip.com