PRODUCT SPECIFICATION SHEET

SUPRA

PX-A70-OH

CATALYTIC MEDIA

CATALYST RESIN
WEAK BASE MACROPOROUS
HYDROXIDE FORM

ResinTech PX-A70-OH is a weak base macroporous catalyst intended for use in the ethanol and hydrocarbon industry. The media has a very porous polymeric structure that allows aqueous and non-aqueous catalytic reactions to take place inside of the sponge-like structure. This hydroxyl groups within the bead allow for a complete reaction.

ResinTech PX-A70-OH has been designed as a fast reaction catalytic media for acids neutralization from chlorinated hydrocarbons, and phenol removal from benzene solutions. PX-A70-OH can remove large organic molecules from monomer streams of Hydroquinone, Hydroquinone Monoethyl Ether, Tertiary Butyl Catechol, etc. The dessicated form of the SCM-41-A-OH (SCM-41A-D) can remove sulfur dioxide from natural gas streams.

APPLICATIONS

- Acid neutralization from polar and nonpolar solutions
- Glycol purification
- Phenol removal from benzene streams

SUGGESTED OPERATING CONDITIONS

Maximum operating temperature	212°F (100°C)
Maximum Pressure Loss	15 psi across resin bed
Minimum Depth	24 inches
Service Flow Rate	0.5 - 5.0 bed volumes/hour

Note: These guidelines describe average low risk operating conditions. They are not intended to be absolute minimums or maximums.
For operation outside these guidelines, contact ResinTech Technical Support

TYPICAL PROPERTIES & PHYSICAL CHARACTERISTICS	
Polymer Matrix	Styrenic Macroporous
Ionic Form	Hydroxide
Functional Group	Tertiary Amine
Physical Form	Spherical Beads
Ionic Form	Hydroxide
Percent in Hydroxyde Form	> 99
Total Capacity (eq/l)	> 1.3
Moisture Content (%)	54 - 62
Surface Area	> 35 m2/g
Average Pore Volume	> 0.1 cc/g
Average Pore Diameter (Angstroms)	> 110
Reversible Swelling (phenol)	Approx. 77%
Shipping Weight, g/L	Approx. 650
Screen Size (mm)	0.4 - 1.25

Revision 1.2
ResinTech, Inc.®

RESINTECH® INC.
INNOVATIONS IN ION EXCHANGE

CORPORATE HEADQUARTERS 1801 Federal Street Camden, NJ 08105 USA PHONE 856.768.9600 EMAIL info@resintech.com WEB resintech.com