Honeywell UOP | UOP Adsorbents

UOP NiGuard-R Adsorbent

UOP's newest adsorbent for benzene treatment

Description

UOP NiGuard-R is an active zeolitic adsorbent for treating benzene recycle from styrene monomer (SM) units in the EB*One*™ process.

Application

NiGuard-R adsorbent removes basic nitrogen compounds. It has high capacity for a wide range of weakly and strongly basic nitrogen compounds. These can be removed to ultra-low levels in the effluent to help ensure downstream catalyst activity and stability.

Typical Physical Properties (nominal)

Shape	Extrudate
Nominal diameter, mm	1.7
Sock loaded ABD, kg/m^3	605
Metal	No precious metals

Packaging

- 55 U.S. gallon (210 liter) steel drum
- Net weight per drum of 115 kilograms



NiGuard-R adsorbent removes basic nitrogen compounds, including weak bases, found in styrene monomer (SM) recycle benzene.

FEATURES & BENEFITS

- Ability to remove a wide range of basic nitrogen compounds, including weak bases such as nitriles
- High nitrogen capacity for longer adsorbent life
- Regenerable

For more information

www.uop.com

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