



## NiGuard-1

### Petrochemicals Catalyst

#### Description

NiGuard-1 is an active zeolytic adsorbent used for the treatment of fresh and recycled benzene in both the EBOne™ and the Q-Max™ processes.

#### Application

NiGuard-1 adsorbent is used in both the EBOne and the Q-Max processes to remove basic nitrogen compounds found in both fresh and recycle benzene.

#### Features and benefits

- It has good removal performance when treating the difficult weaker basic nitrogen compounds, such as Nitriles.
- Good capacity – for longer adsorbent life.
- This adsorbent is fully regenerable.

#### Experience

NiGuard-1 catalyst was commercialized in 2002. There are three units currently in operation.

#### Physical properties

Shape	Extrudate
Nominal diameter, mm	1/16 (1.6)
ABD, kg/m <sup>3</sup>	585
Metals	no precious metals

#### Packaging

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

#### For more information

For more information, contact your local UOP representative or our Des Plaines sales office:

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