

ADSORBENTS, CATALYSTS, AND CHEMICALS

INERT CATALYST BED SUPPORT MEDIA

- **DURAMAX® P-400:** Support Balls
- **DURAMAX® D-99:** High Purity Alumina Bed Support, Bed Topping Balls.
- Tabular Alumina
- Activated Alumina Bed Support (DURAMAX®-AAS)
- Active Bed Supports (NiMo / Other)

CATALYST BED TOPPING / GRADING & FILTRATION PRODUCTS

- MHT-10 Inert Bed Topping (Haldor Topsoe TK-10 Style)
- MAB-55 Inert Bed Topping ("Penta Ring" Albermarle / Axens / ART / Shell / UOP Style)
- MHC-10/25/50 Honeycomb "AFS" Type
- MRCF-10/20/50/65/80 "CatTrap" Ceramic Foam Type
- Grading Rings: Inert, Porous, and/or Active (NiMo / CoMo / other) for Hydrotreater Grading
- Grading Rings and Trilobes for Arsine, Silica, DeMet

ADSORBENTS

- **DRYAMAX®** Molecular Sieves (3A, 4A, 5A, 13X)
- **ACTIMAX®** Activated Alumina
 - Desiccant Driers
 - Chloride Guard
 - HF Alky
 - Claus Catalyst
 - TiO₂ Claus Catalyst
 - Active Bed Supports
- Silica Gel

PURAMAX® PURIFICATION CATALYSTS / ADSORBENTS

- BTX Clay
- Sulfur Species Removal
 - "Puraspec" Offsets
 - Sulfur Guards for Reformers
- Chloride Removal
 - Promoted Activated Alumina
 - Promoted Zeolite
 - Metal Oxide
- Arsenic Removal, Fluoride Removal, Mercury Removal, Vanadium Removal, Oxygen Removal, Silica Removal

MEROX / MERICAT CATALYSTS

- ARI-100EXL and ARI-120
- CAC-128: Catalyst Impregnated Carbon for Fixed Bed Merox / Minaulk

- **SUPERCLAY®:** High Performance Clay for Kero / Jet Merox to Replace Attapulgit
- Sand
- Anthracite
- Carbon Graphite Raschig Rings (UOP Approved)

OTHER CATALYSTS

- **SPA-MAX™:** Solid Phosphoric Acid (SPA) Catalysts
- Tail Gas Unit Catalysts
- Syngas Catalysts
 - Desulfurization (Zinc Oxide)
 - Steam Reforming
 - Shift Catalysts
 - Methanation
 - Ammonia Synthesis

TOWER PACKING PRODUCTS

- Raschig Rings, Pall Rings, "IMTP Style" Rings (Ceramic, Metal, Plastic)
- Saddles, Beryl Saddles (Ceramic, Metal, Plastic)
- Other Shapes (Ceramic, Metal, Plastic)
- Carbon / Graphite Raschig Rings (UOP Approved)

ACTIVATED CARBONS

- Granular & Pelletized Activated Carbons (Lignite / Bituminous / Coconut Shell, etc.)
- Anthracite Bed Support
- Merox / Minaulc Carbon
- Sulfur Absorbing Carbon – Copper Impregnated
- Mercury Removal Carbon
- Specialty Impregnated Carbons

GAS ODORANTS

- Ethyl Mercaptan (LPG odorant)
- Mercaptan / Sulfide Blend Odorants for Natural Gas

CHEMICALS

- KOH Briquettes and Flake
- DMDS & DMS (Catalyst Sulfiding Agents)
- PERC – Catalyst Grade

SUSTAINABILITY

- Spent Catalyst Recycling / Reclaiming
- Spent Adsorbent Recycling / Reclaiming
- Metals Recycling / Reclaiming
- Purchase of Surplus Catalysts and Chemicals

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