



# M Chemical Company

## Adsorbents, Catalysts and Chemicals

M Chemical Company, Inc., founded in 1966, supplies adsorbents, catalysts and chemicals to the Refining, Gas Processing, Syngas and Petrochemical industries.

### **Inert Catalyst Bed Support Media**

- DURAMAX™ P400 Support Balls
- DURAMAX™ 99 - High Purity alumina bed support/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)
- MCR-85 Inert bed topping (Criterion 855MD style)
- MAB-55 Inert bed topping (Albemarle/Axens/ART style)
- AFS
- Grading Rings – inert, porous and/or active (NiMo/other) for hydrotreater grading.

### **Adsorbents**

- DRYAMAX™ Molecular Sieves (3A, 4A, 5A, 13X)
- ActiMax™ Activated Alumina
  - Desiccant Driers
  - Chloride Guard
  - HF Alky
  - Claus Catalyst
    - TiO<sub>2</sub> Claus Catalyst
  - Active Bed Supports
- Silica Gel

### **PuraMax™ Purification Catalysts / Adsorbents**

- Sulfur Species Removal
  - “puraspec” offsets
  - Sulfur Guards for Reformers
- Chloride Removal
  - Promoted Activated Alumina
  - Promoted Zeolite
- 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
- Injection Units for ‘merox’ catalysts



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## **Other Catalysts:**

- Solid Phosphoric Acid (SPA) catalysts
- Tail Gas Unit Catalysts
- Syngas Catalysts
  - Desulfurization (Zinc Oxide)
  - Steam Reforming
  - Shift Catalysts
  - Methanation
  - Ammonia Destruction

## **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

## **Activated Carbons**

- Granular & Pelletized Activated Carbons (Lignite/Bituminous/Coconut Shell, etc.)
- Anthracite Bed Support
- Merox / Minalc 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)

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