



**Product Nomenclature:** PETROSORB RG Catalyst

**Description:**

Petrosorb RG Catalyst is a collective mixture of metal hydroxides that boosts the removal process of acidic contaminants, such as CO2 and H2S, from petrochemical streams.

**Application / Use:**

Industrial / Petrochemical operations (such as Propylene and Ethylene purification, LPG sweetening, Gas condensate processing, and CFC manufacturing).



**Properties:**

Alkali Metals and Hydroxides.

Hydroxides are utilized in this base catalyzed chemical reaction for removal of undesirable acidic compounds. Water is also formed as a by-product.

Typical Reaction:



**Specifications:**

Typical Operating Conditions:

|                     |                  |
|---------------------|------------------|
| Inlet Impurity      | Less than 15 ppm |
| Pressure, psig      | 0-1200           |
| Temperature         | Ambient to 250   |
| Loading, wt % S/CO2 | 2 % / 10 % min   |
| External Energy     | None             |



OC LUGO Co. INC.



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**Packaging  
Transportation  
& Disposal:**

Petrosorb RG Catalyst is securely packaged and sealed for shipment (standard shipping applies). Petrosorb RG produces a solid waste material that is non flammable and can usually be safely disposed of to land fill (check with local landfill's requirements for any constraints on residual soluble alkalinity).

**Storage &  
Handling:**

Store in a clean, dry environment. Avoid freezing and direct sunlight. Preferred temperature range is from 0 to 35 degrees C. Keep containers closed.

**Precautions:**

Skin and eye irritant. Avoid inhaling dust. General purpose rubber gloves, glasses and light dust mask recommended while working with catalyst. Wash after skin contact.

**Warranty:**

The O.C. Lugo Co., Inc. will replace any material found to be defective, but accepts no liability through improper storage, handling or application of this product.

**Disclaimer:**

All data provided herein is based upon years of research, laboratory testing and actual product usage. The O.C. Lugo Co., Inc. makes no representations or warranties of any kind concerning this information.