

# CL-750

## Promoted Chloride Adsorbent

**BASF CL-750 is a spherical surface modified adsorbent, custom formulated to provide optimum adsorption of HCl from vapor and liquid phase process streams. It is covered by U.S. patent number 5,316,998. BASF CL-750 is available in nominal sizes of 1/16", 1/8" and 3/16" spheres.**

### Product Application

1. BASF CL-750 is particularly appropriate for use in vapor phase chloride traps in catalytic reforming processes where optimum HCl adsorption capacity and minimization of polymer ("gum") formation is desirable. The high macroporosity of BASF CL-750 improves diffusion rates to assure high HCl adsorption capacity.
2. Liquid naphtha reformat streams often contain sufficient amounts of HCl which cause corrosion and NH<sub>4</sub>Cl plugging problems in heat exchangers, pumps, compressors and stabilizer towers. BASF CL-750 is an excellent HCl scavenger for these streams at both ambient and elevated temperatures. The use of BASF CL-750 chloride adsorbent allows continuous operation without the problems associated with water washing of chloride deposits in process equipment.
3. With its superior adsorption capacity and high porosity, CL-750 is appropriate for the removal of HCl and free chloride ions from a variety of vapor and liquid phase streams in numerous petrochemical production processes

### Available Packaging

- 2000 lb super sacks
- 330 lb steel drums

### Typical Chemical Composition (%)

Al <sub>2</sub> O <sub>3</sub> + surface modifier (inorganic, non-toxic)	95.5
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SiO <sub>2</sub>	0.015
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LOI (1000°C)	4.0
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### Typical Physical Properties

Total Pore Volume, cc/g	0.50
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Bulk Density, lbs/ft <sup>3</sup> (kg/m <sup>3</sup> )	47.5 (760)
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Crush Strength, (5 mesh eq), lbs <sub>f</sub> (kg <sub>f</sub> )	30 (14)
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## About Us

BASF's Catalysts division is the world's leading supplier of environmental and process catalysts. The group offers exceptional expertise in the development of technologies that protect the air we breathe, produce the fuels that power our world and ensure efficient production of a wide variety of chemicals, plastics and other products, including advanced battery materials. By leveraging our industry-leading R&D platforms, passion for innovation and deep knowledge of precious and base metals, BASF's Catalysts division develops unique, proprietary solutions that drive customer success.

**BASF - We create chemistry**

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