



HYPERCAT GOLD

High Activity Low S/O Dehydrogenation Catalyst

Product Bulletin

Description

CRI Catalyst Company ("CRI") Styrene Catalyst **HYPERCAT GOLD** is a non-chromium containing iron oxide catalyst used for the dehydrogenation of ethylbenzene to styrene. This high selectivity, high mechanical strength, low decline rate and high activity catalyst is designed to be used in **low Steam to Oil operations**. CRI **HYPERCAT GOLD** is a significantly higher activity catalyst than CRI HYPERCAT, allowing CRI **HYPERCAT GOLD** to be utilized in lower Steam to Oil operations for longer periods of time.

PACKAGING AND AVAILABILITY

CRI's styrene catalysts are available in 1500 kg (3306.9 lb) bulk bags.

Normally, the product is available for shipment 12 weeks from receipt of purchase order. Check with your CRI catalyst representative for specific product availability.

TYPICAL PROPERTIES

| | |
|----------------------------------------------------------------------------------|-----------|
| Chemical | |
| Fe ₂ O ₃ , wt% | Balance |
| K ₂ O, wt% | < 35% |
| Other Metal Oxides, wt% | < 40% |
| Physical | |
| Pellet Shape | Cylinder |
| Pellet Size – diameter, mm (inches) | 3 (1/8) |
| Apparent Bulk Density, kg/m ³ x 10 ³ (lb/ft ³) | 1.50 (94) |
| Crush Strength, kg/mm (lb/mm) | 3.8 (8.3) |

HEALTH, SAFETY, AND ENVIRONMENTAL PRECAUTIONS

To ensure safe use of its products, CRI has evaluated the hazards of CRI HYPERCAT GOLD according to the requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. Full attention to these hazards and to appropriate health, safety, and precautionary information is essential. Before handling, testing or using this catalyst, a Material Safety Data Sheet must be obtained by contacting a CRI catalyst representative.

ADDITIONAL INFORMATION

All catalyst information supplied by CRI is considered accurate but is furnished with the express understanding that the customer receiving such information shall make its own assessments to determine suitability of such information for customer's particular purpose. All purchases of catalyst from CRI are subject to CRI's standard terms and conditions of sale (including CRI's product warranties) set forth in a sales proposal, sales contract, order acknowledgement, and/or bill of lading.

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