



HYPERCAT SELECT

STYRENE CATALYST

Product Bulletin

Description

CRI Catalyst Company ("CRI") Styrene Catalyst **HyperCat Select** 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**.

This catalyst offers a significant improvement in selectivity compared to CRI HyperCat. **HyperCat Select** is the best option for high ethylbenzene utilization in low Steam to Oil operations.

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 SELECT 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.

Contact Information

Houston – Corporate

Headquarters

CRI Catalyst Company
Two Greenspoint Plaza
16825 Northchase Dr. Suite 1000
Houston, Texas 77060-6029
Tel: (1) 281-874-2600
Fax: (1) 281-874-2499

United Kingdom

CRI Catalyst Company U.K. Ltd.
1650 Parkway
The Solent Business Park
Whiteley Fareham, Hampshire
PO 15-7AH
United Kingdom
Tel: (44) 1 489 884 040
Fax: (44) 1 489 884 049

Singapore

CRI/Criterion Marketing Asia
Pacific Pte. Ltd.
298 Tiong Bahru Road
#07-03 Central Plaza
Singapore 168730
Tel: (65) 6276-3631
Fax: (65) 6276-7456

www.cricatalyst.com