

DATASHEETNo. 1214
Sep 2007**DARCO® MRX**

GRANULAR ACTIVATED CARBON

DARCO MRX is a specialty grade of granular activated carbon that has been developed specifically for oil refineries, where it acts as a catalyst support. **DARCO MRX** is used in hydrocarbon sweetening processes. It is steam activated and acid washed.

Product Specifications

Molasses decolorizing efficiency	85 min.
Moisture, % as packed	12 max.
pH, water extract	3.5 to 7.0
Apparent density, vibrating feed, g/mL	0.360-0.409
Mesh size (U.S. Sieve Series)	
Greater than 10 mesh (2.00 mm), %	1.0 max.
Greater than 20 mesh (0.85 mm), %	40-80
Less than 30 mesh (0.60 mm), %	2 max.

Typical Properties*

Surface area, m ² /g	650
Total pore volume, mL/g	0.95
Mean particle diameter, mm	1.1

*For general information only, not to be used as purchase specifications.

Packaging/Transportation

Standard package is 40 lb bags, 30 bags per pallet for a net pallet weight of 1200 lb. Alternate packages include woven polypropylene bulk bags, 880 lb net, with a glued plastic liner.

Activated carbon (NOT REGULATED)

Exempt from DOT, IATA, and IMDG regulations

Import/Export classification: 3802.10.0000 (HS Tariff Classification)

Domestic Freight Classification: NMFC 040560

CAS # 7440-44-0

Material Handling

Wet activated carbon depletes oxygen from air and, therefore, dangerously low levels of oxygen may be encountered. Whenever workers enter a vessel containing activated carbon, the vessel's oxygen content should be determined and work procedures for potentially low oxygen areas should be followed. Appropriate protective equipment should be worn. Avoid inhalation of excessive carbon dust. No problems are known to be associated in handling this material. This product contains silica. Please see the product Material Safety Data Sheet for details. Long-term inhalation of high dust concentrations can lead to respiratory impairment. Use forced ventilation or a dust mask when necessary for protection against airborne dust exposure (see Code of Federal Regulations - Title 29, Subpart Z, par. 1910.1000, Table Z-3).

Note: Any specification given was valid at time of issuance of the publication. However, we maintain a policy of continuous development and reserve the right to amend any specification without notice.