

DARCO[®] FGD

POWDERED ACTIVATED CARBON

WHY CABOT

Cabot Norit Activated Carbon is a premier activated carbon manufacturer respected for experienced people, diverse products and strong customer relationships. Cabot's history of innovation, product performance, technical expertise and customer focus ensure that you receive the right products and solutions for your specific purification needs.



DARCO FGD is a steam activated carbon manufactured specifically for the removal of heavy metals and other contaminants typically found in incinerator flue gas emission streams. It has been proven in numerous full scale operating facilities to be highly effective for the removal of gaseous mercury, dioxins (PCDD) and furans (PCDF). Its open pore structure and fine particle size permit rapid adsorption, which is critical for high performance in flue gas streams where contact times are short.

DARCO FGD is a free flowing powdered carbon with minimal caking tendencies, which makes it ideal for automatic dosing systems with dry or wet injection directly into the flue gas stream. It is manufactured with a high ignition temperature to permit safe operation at the elevated temperatures inherent in incinerator flue gas streams.

PRODUCT SPECIFICATIONS

Bromophenol blue number	85 min.	mg/g
Moisture	8 max.	% as packed
Mesh size (U.S. Sieve Series)		
Less than 325 mesh (45 µm)	95 min.	%

TYPICAL PROPERTIES*

Iodine number	570	mg/g
Total sulfur	1.1	%
Bulk density, tamped	0.51	g/mL
	32	lb/ft ³
Surface area	600	m ² /g
Ignition temperature	400	°C

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

PACKAGING/TRANSPORTATION

Standard packages:

- 40 lb paper bag, 50 bags per pallet for a net pallet weight of 2000 lb
- 44.1 lb paper bag, 50 bags per pallet for a net pallet weight of 2205 lb
- Woven polypropylene bulk bag with a plastic liner 900 or 1200 lb net Bulk trailer

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

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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).



cabotcorp.com

NORTH AMERICA

Cabot Corporation Business
and Technical Center
157 Concord Road
Billerica, MA 01821-7001 USA

TEL 800 462 2313
FAX +1 978 670 7035

SOUTH AMERICA

Cabot Latin American Division
Rue do Paraiso, 148 - 5ª andar
04103-000, Sao Paulo, SP
BRAZIL

TEL +55 11 2144 6400
FAX +55 11 3253 0051

EUROPE

Cabot Norit Nederland B.V.
P.O. Box 105
3800 AC Amersfoort
The Netherlands

TEL +31 33 46 48 911
FAX +31 33 46 17 429

ASIA PACIFIC

Cabot China Ltd.
558 Shuangbai Road
Shanghai 201108, CHINA

TEL +86 21 5175 8800
FAX +86 21 6434 5532

JAPAN

Cabot Specialty Chemicals, Inc.
Sumitomo Chiba-Daimon Idg. 3 F
2-5-5 Shiba Daimon, Minato-ku,
Tokyo 105-0012, JAPAN

TEL +81 3 6820 0255
FAX +81 3 5425 4500

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