

DATASHEETNo. 3140
Apr 2009**NORIT® SX 1**

POWDERED ACTIVATED CARBON

NORIT SX 1 is suitable for a large range of applications such as decolorization and purification of food products, pharmaceuticals, organic and inorganic chemicals, where the use of high purity additives is required. It is also used as a support material for precious metal catalysts because of the combination of surface area and its content of fine particles. **NORIT SX 1** is an acid washed, steam activated carbon with a very high adsorptive capacity, dedicated to obtain colorless liquids or white crystals.

Product Specifications

Molasses number (EUR)	310 max.
Acid soluble matter, mass-%	1.0 max.
Calcium (acid extr.), mg/kg	200 max.
Copper (acid extr.), mg/kg	10 max.
Iron (acid extr.), mg/kg	200 max.
Moisture (as packed), mass-%	10 max.

Typical Properties

Iodine number	850
Methylene blue adsorption, g/100 g	17
Surface area (BET), m ² /g	900
Apparent density, tamped, g/mL	0.39
lb/ft ³	24
Particle size	
d10, µm	3
d50, µm	20
d90, µm	60
Ash, mass-%	5
Chloride (acid extr.), mass-%	0.1
pH	Neutral
Filtration time, min	40
Food Chemicals Codex	Passes

NOTES

- 1) All analyses based on Norit Standard Test Methods (NSTM).
- 2) Typical properties for general information only, not to be used as purchase specifications.

Packaging/Transportation

Standard package is 15 kg bags, 56 bags per pallet for a net pallet weight of 840 kg.

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

(continued on reverse side)

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NORIT® SX 1 (continued)

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 may contain 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.