Norit Activated Carbon
leading in purification

ISO 9001:2000
FM 14575

DATASHEET

No. 4100
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BENTONORIT® CA1

WATER DISPERSIBLE PELLETS

BENTONORIT CA1 is a unique, virtually dust free dosage form of NORIT CA1, suitable for a wide range of applications in food, chemical, and pharmaceutical industries. **BENTONORIT CA1** consists of approx. 87% NORIT CA1 (produced by chemical activation using the phosphoric acid process) and approx.13% food grade Calcium bentonite. The product is shaped as cylindrical 3 mm pellets, which can be dosed without dust problems. In contact with most aqueous solutions the pellets disperse as a powder within seconds. **BENTONORIT CA1** is especially effective in adsorbing high molecular weight organics such as large color bodies and proteins.

Product Specifications

Methylene blue adsorption*, g/100 g	25.0 min.
Calcium (acid extr.)*, mg/kg	200 max.
Iron (acid extr.)*, mg/kg	150 max.
Phosphate (acid extr.)*, mass-%	3.5 max.
pH*	2.0 to 3.5
Moisture (as packed), mass %	10.0 max.

Typical Properties

Molasses number (EUR)*	180
Ash, mass-% (including bentonite binder)	15
Zinc (acid extr.), mg/kg*	12
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.
3) Figures marked with "*" are expressed as based on NORIT CA1 before pelletization using bentonite.

Packaging/Transportation

Standard package is 15 kg boxes, 30 boxes per pallet for a net pallet weight of 450 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

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).

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