

DATASHEETNo. 1104
Sep 2007**GRO-SAFE®**

POWDERED ACTIVATED CARBON

GRO-SAFE is a specialty powdered activated carbon manufactured for agricultural applications. It is widely used in agriculture as a soil amendment to protect and enhance plant and turfgrass growth and vigor. **GRO-SAFE** effectively removes organic toxins, such as herbicides, from soil to provide a safe environment for new or existing root systems. Its ability to decontaminate soil is beneficial when replanting ornamentals, turfgrass or food crops where herbicides have been previously applied. More details on dosages and methods of incorporation are available from NORIT Americas Inc. **GRO-SAFE** is Kosher certified.

Product Specifications

Molasses decolorizing efficiency	85 min.
Moisture, % as packed	10 max.
Mesh size (U.S. Sieve Series)	
Less than 100 mesh (150 µm), %	99.9 min.
Less than 325 mesh (45 µm), %	95 min.

Typical Properties*

pH, water extract	Alkaline to 11.3
Bulk density, tamped, g/mL	0.51
lb/ft ³	32

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

Packaging/Transportation

Standard package is 40 lb bags, 50 bags per pallet for a net pallet weight of 2,000 lb. Alternate package includes 40 lb bags with a box over-slip, 20 boxes per pallet for a net pallet weight of 800 lb.

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.