

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: CHARCOAL

U.N. Number:	N/A	Dangerous Goods Class:	N/A
Hazchem:	N/A	Sub Risk:	N/A
C A S Number:	N/A	Poisons Schedule:	N/A
G.T. EPG:	N/A	Spec EPG:	N/A
Packaging Group:	N/A		

PHYSICAL DESCRIPTION / PROPERTIES:

APPEARANCE:	The product consists of black granules or powder, without taste or odour
BOILING POINT:	N/A
VAPOUR PRESSURE:	Zero
VOLATILE COMPONENT:	N/A
SPECIFIC GRAVITY:	250 - 600 g/l
FLASH POINT:	N/A
AUTOIGNITION TEMP:	Granular: About 450 c
REL VAPOUR DENSITY:	N/A
FORM:	Solid
OTHER PHYSICAL DATA:	Solubility: Insoluble in water or organic solvents

ACTIVE CONSTITUENTS: Activated Carbon

Other ingredients data: Product normally contains greater than 1% quartz - See Exposure Limits

HEALTH HAZARD INFORMATION

Eye: This material will probably cause some mild physical irritation if contact is made with human eyes.

Skin: Skin Contact: This material is not likely to be a primary irritant on human skin, it has a low potential for sensitization after skin contact.

Skin Absorption: This product is not known to be absorbed through the human skin.

Inhaled: Acute toxic effects are not likely to develop after inhalation from this material.

Swallowed: The acute oral LD50 values are not available. Relative to other materials, a single dose of this product is relatively harmless by ingestion.

Chronic Effects: Effect of Overexposure: No adverse clinical effects have been associated with exposure of this material.

FIRST AID:

Eye: Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. If redness, itching or a burning sensation develops, have eyes examined and treated by medical personnel.

Skin: Wash with plenty of soap and water. If redness, itching or a burning sensation develops, consult medical personnel.

Swallowed: Give plenty of water to drink. If gastrointestinal symptoms develop, consult medical personnel. Never give anything by mouth to an unconscious person.

Toxicity Data: No toxicity data is available.

Physical and chemical properties of activated carbon are used for the Health Hazard Assessment.

PRECAUTIONS FOR USE

Exposure Standards: TLV or suggested control value:
The current OSHA and ACGIH limit for dusts which contain more than 1% quartz are as follows:-

Respirable Dust Limit (OSHA and ACGIH)	=	0.7 mg/m ³
Total Dust Limit (OSHA)	=	2.1 mg/m ³
Total Dust Limit (ACGIH)	=	2.0 mg/m ³

Engineering Controls: Provide adequate general and local exhaust ventilation to meet suggested control value requirements.

Personal Protection: Respiratory Protection: If needed, use MSHA-NIOSH approved respirator for dusts, mists and fumes whose TLV is greater than 0.05 mg/m³.

Protective Clothing: For personal hygiene purposes use adequate clothing to prevent skin contact.

Eye Protection: Safety glasses with side shields.
Contact lenses should not be worn when working with activated carbon.

Flammability: All carbonaceous materials will burn under certain conditions and activated carbons are no exception. Activated carbons, however, are not highly flammable and burn slowly without producing smoke or flame.

SAFE HANDLING INFORMATION

Storage and Transport: Activated carbon can be safely stored in any normal storage area, but away from sources of direct heat. An oxygen deficiency may be created when activated carbon is stored in an enclosed space / silo. Ventilate or wear self-contained breathing apparatus.

Spills and Disposal: Wear an appropriate respirator. Sweep up, but avoid generating dust. Wash area down with detergent and excess water. Recover or mix material with moist absorbent and shovel into waste container.

Disposal: Dispose of virgin (unused) carbon (waste or spillage) in a facility for non-hazardous waste.

Container Disposal: Do not reuse empty bags. Dispose of in a facility permitted for non-hazardous waste.

Reactivity Date: STABILITY: Stable under normal conditions
UNCOMPATIBILITY: Strong oxidizing agents
HAZARDOUS POLYMERIZATION: Will not occur

Fire/Explosion Hazard: Use water fog. Use carbon dioxide.

Hazardous decomposition products of heating and/or burning:

Carbon dioxide - Carbon monoxide.

Firefighters to wear self-contained breathing apparatus if risk of exposure to products of decomposition.

Avoid methods which may stir up dust clouds.

Unusual fire and explosion hazards: Airborne dust is a weak explosion hazard.

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