





Material Safety Data Sheet

Section I – Identity

Identity (As Used on Label and List): HBOS-Carb Impregnated Activated Carbon Pellet

Manufacturer Name: HBOS Specialty Carbons

2449 Darts Cove Way Mount Pleasant, SC 29466

Tel: 843-754-0640

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<u>Section II – Hazardous Ingredients/Identity Information</u>

Hazardous Components – (Specific Chemical Identity: Common Names)

Other Limits

OSHA PEL ACGIH TLV RECOMMENDED %
N/A N/A N/A 80

Carbon: Activated Carbon (CAS #: 7440-44-0)

Potassium Hydroxide, (Caustic potash), 45%

(CAS #: 1310-58-3)

50 mg/24 hours skin-human severe irritation, 50 mg/24 hours skin-rabbit severe irritation, 50 mg/24 hours skin-guinea pig severe irritation, 1mg/24 hours rinsed eye rabbit moderate irritation, 273 mg/kg oral-rat LD50, mutagenic data (RTECS).

Carcinogenic status: None

This product is non-hazardous according to the definition for "health hazard" and "physical hazard" provided in the OSHA Hazard Communication Law (29CFR Part 1910).

Section III – Physical/Chemical Characteristics

Boiling Point: N/A

Vapor Pressure (mm Hg): N/A Vapor Density (Air = 1): N/A

Specific Gravity ($H_2O = 1$): 2.3 g/cc real density

Melting Point: N/A

Evaporation Rate (Butyl Acetate = 1): N/A

Solubility in Water : Insoluble

Appearance and Odor: Black, Odorless, Solid

<u>Section IV – Fire and Explosion Hazard Data V</u>

Flash Point (Method Used): N/A

Flammable Limits in Air % by Volume: N/A

Ignition Point: 260°F

LEL: N/A UEL: N/A

Extinguishing Media: Flood with copious amounts of water

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: contact with strong oxidizers such as ozone, liquid oxygen, chlorine,

permanganate, etc. may result in fire

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Section V – Reactivity Data

Stability: Stable

Conditions to Avoid: None

Incompatibility (Materials to Avoid): strong oxidizers such as liquid oxygen, chlorine, permanganate, etc. Hazardous Decomposition or Byproducts: carbon monoxide may be generated in the event of fire.

Hazardous Polymerization: will not occur

Section VI – Health Hazard Data

Primary Routes of Entry: Inhalation: Yes Skin: Yes Ingestion: Yes

Health Hazard (Acute and Chronic): Acute inhalation is LC50 (rat) is 64.4 mg/l (nominal concentration) for activated carbon. The product is not a primary skin-irritant. The primary skin irritation index Rabbit is 0 (zero). The product is non-toxic through ingestion. The acute oral LD50 (rat) is 10g/kg.

NTP: N/A

IARC Monographs: N/A OSHA Regulated: N/A

Signs and Symptoms of Exposure: N/A

Medical Conditions Aggravated by Exposure: Contact Lens Users Without Proper Eye Protection.

Emergency and First Aid Procedures: Eyes: Flush with water for at least 15 minutes.

Skin: Wash with soap and water

Section VII - Precautions for Safe Handling and Use

Steps To Be Taken In Case Material Is Released Or Spilled: Sweep up unused carbon and discard in refuse container or repackage. Use particulate mask to avoid breathing dust.

Waste Disposal Method: Dispose of unused carbon in refuse container. Dispose of in accordance with local, state, and federal regulations.

Precautions To Be Taken in Handling and Storing: Wet activated carbon removes oxygen from air causing a severe hazard to workers inside carbon vessels and enclosed or confined spaces. Do not get in eyes, or on skin or clothing. Do not breathe dust.

Other Precautions: Before entering such an area (vessel, confined space), air sampling and work procedures for low oxygen levels should be taken to ensure ample oxygen availability, observing all local, state, and federal regulations.

<u>Section VIII - Control Measures</u>

Respiratory Protections: NIOSH approved particulate filter respirator is recommended if excessive dust is generated.

Ventilation: Local Exhaust: recommended

Mechanical (General): recommended

Special: N/A Other: N/A

Protective Gloves: Rubber or Latex gloves recommended Eye Protection: Safety goggles/glasses recommended Other Protective Clothing or Equipment: None

Work/Hygienic Practices: Wash Thoroughly after Handling

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^{**}The information contained herein is accurate to the best of our knowledge. HBOS Specialty Carbons makes no warranty with respect hereto said information and disclaims all liability from reliance therein**