

“CLEANING THE WORLD WITH ACTIVATED CARBON”



**MATERIAL SAFETY DATA SHEET**

**Section I - Identity**

Identity (As Used on Label and List) : GC IPA (Granular or Pelletized)  
Manufacturers Name: General Carbon Corporation  
33 Paterson Street  
Paterson, NJ 07501  
Tel: (973)523-2223  
Date Prepared: January 1, 2013

**Section II - Hazardous Ingredients/Identity Information**

Hazardous Components - (Specific Chemical Identity: Common Names)

	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER LIMITS RECOMMENDED</u>	<u>%</u>
Carbon: Activated Carbon (CAS #: 7440-44-0)	N/A	N/A	N/A	55
Phosphoric Acid(H3PO4) (CAS#: 7664-38-2)	1 mg/m3	1 mg/m3	N/A	33.75
Water	N/A	N/A	N/A	11.25

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

**Section III - Physical/Chemical Characteristics**

Boiling Point: 316°F  
Vapor Pressure (mm Hg): 0.03 @ 68°F  
Vapor Density (AIR = 1): 3.4  
Specific Gravity (H<sub>2</sub>O = 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

**Section IV - Fire and Explosion Hazard Data**

Flash point (Method Used): N/A  
Flammable Limits in Air % by Volume: N/A  
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

## **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. The product is non-toxic through ingestion. The acute oral LD50 RAT is 10 g/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 repackaging. Use 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, sampling and work procedures for low oxygen levels should be taken to ensure ample oxygen availability, observing all local, state and federal regulations

## **Section VIII - Control Measures**

Respiratory Protections (specify type): 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 gloves recommended

Eye Protection: Safety goggles/glasses recommended

Other Protective Clothing or Equipment: None

Work/Hygienic Practices: Wash thoroughly after handling

\*\*\*The information contained herein is accurate to the best of our knowledge. General Carbon Corporation makes no warranty with respect hereto said information and disclaims all liability from reliance there in.\*\*\*