






## Material Data Sheet

								
Chemteq, Inc. 600 West 24 <sup>th</sup> Street, Suite B Norfolk, Virginia 23517, USA Tel: 757-622-2223 Toll-free: 855-CHEMTEQ (855-243-6837) info@chemteq.net	Material Data Sheet No. 2511885 Revision: 041021-A Part Number: 2511-1000 Description: Ammonia Vapors Sorbent DG Product Name: Ammonia Sorbent DG 2511							
<b>SECTION 1 – MATERIAL IDENTIFICATION</b>								
Ingredient	CAS #	% by Weight						
Activated Carbon:	7440-44-0	>68%						
Phosphoric Acid	7664-38-2	<42%						
<b>SECTION 2 – HAZARDS IDENTIFICATION</b>								
<b>HMIS RATINGS</b>	<b>NFPA RATINGS</b>	<b>GUID</b>						
HEALTH	1							
FLAMMABILITY	1							
PHYSICAL HAZARD	0							
PERSONAL PROTECTION	E							
OXIDIZING	0							
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">PICTOGRAM</td> <td style="text-align: center;">SIGNAL WORD</td> <td style="text-align: center;">HAZARD STATEMENT</td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">WARNING</td> <td style="text-align: center;">H315: Causes skin irritation H320: Causes eye irritation</td> </tr> </table>			PICTOGRAM	SIGNAL WORD	HAZARD STATEMENT		WARNING	H315: Causes skin irritation H320: Causes eye irritation
PICTOGRAM	SIGNAL WORD	HAZARD STATEMENT						
	WARNING	H315: Causes skin irritation H320: Causes eye irritation						
<b>PRECAUTIONARY STATEMENT(S)</b>								
PREVENTION	P261: Avoid breathing dust/fume. P264: Wash thoroughly after handling							
RESPONSE	P305: IF IN EYES: Irrigate for 15 minutes. P304: IF INHALED: Remove to fresh air							
STORAGE	P402: Store in a dry place. P403: Store in a well-ventilated place. P404: Store in a closed container.							
<b>OTHER HAZARDS</b>								
The Phosphoric Acid component of this product is classified as hazardous by OSHA.								
<b>SECTION 3 – FIRST AID MEASURES</b>								
<b>NECESSARY FIRST AID INSTRUCTIONS</b>								
INHALATION FIRST AID	Remove affected person to fresh air. Give artificial respiration ONLY if breathing has stopped and give CPR ONLY if there is no breathing and no pulse. Obtain medical attention immediately.							
SKIN CONTACT FIRST AID	Wash skin for 5 minutes with flowing water and soap. Clothing should be washed before reuse. Obtain medical assistance if irritation develops.							
EYE CONTACT FIRST AID	Immediately irrigate eyes with flowing water continuously for 15 minutes while holding eyelids open. Contacts should be removed before or during flushing. Get medical assistance if irritation develops.							
INGESTION FIRST AID	Drink plenty of water. Obtain medical attention immediately.							
<b>DESCRIPTION OF MOST IMPORTANT SYMPTOMS</b>								
No Additional Information Available.								
<b>RECOMMENDATIONS FOR IMMEDIATE MEDICAL CARE</b>								
No Additional Information Available.								
<b>SECTION 4 – FIRE FIGHTING MEASURES</b>								

Suitable Extinguishing Media: Water spray, carbon Dioxide, Foam or Dry Chemical.
Unsuitable Extinguishing Media: None known
Specific Hazards: Avoid producing suspensions of dust during handling and avoid exposure of suspensions to sources of ignition. Suspensions of - 40 mesh particles may explode if exposed to strong ignition sources. Carbon monoxide and carbon dioxide gas may be emitted upon combustion of material Contact with strong oxidizers such as ozone or liquid oxygen may cause rapid combustion.
Protective Equipment and Procedures: In the event of a fire, wear full protective clothing and NIOSH approved self-contained breathing apparatus with full face piece, operated in positive pressure mode.
<b>SECTION 5 – ACCIDENTAL RELEASE MEASURES</b>
Personal Precautions: Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of a material from eyes, skin, and clothing.
Environmental Precautions: The impregnate on this product is water soluble. Dike all entrances to sewers and drains.
Containment & Clean-up: Clean up spills in a manner that does not disperse dust into the air. Avoid introducing materials into waterway.
<b>SECTION 6 – HANDLING AND STORAGE</b>
Precautions for Safe Handling: Avoid dispersion into air. Keep containers dry and closed. Follow good handling and housekeeping practices to minimize spills, generation of airborne dusts, and accumulation of dusts on exposed surfaces. Use with adequate exhaust ventilation to draw dust away from workers' breathing zones. Prevent or minimize exposures to dusts by using appropriate respirators, gloves and eye protection. Wash exposed skin areas thoroughly with soap and water. Use caution when pouring, using pneumatic transport, swirling, etc. as this material can become electrostatically charged and present a dust explosion hazard.
Conditions for Safe Storage: Avoid spilling material so as to avoid creating a dust suspension. Store at ambient atmospheric conditions. Product should be stored in a closed dry container. Maintain good housekeeping procedures. Store away from strong oxidizers such as ozone, liquid oxygen, chlorine, permanganate, etc.
<b>SECTION 7 – EXPOSURE CONTROLS/PERSONAL PROTECTION</b>
<b>ENGINEERING CONTROLS</b>
Provide ventilation if necessary, to minimize exposure. General ventilation is usually acceptable, but local mechanical exhaust ventilation is preferred at sources of air contamination such as open process equipment.
<b>RESPIRATORY PROTECTION</b>
If use conditions generate dust levels above the TLV / PEL, wear a NIOSH-approved particulate respirator or a NIOSH-approved cartridge respirator fitted with dust filters.
<b>SKIN PROTECTION</b>
Wear appropriate dust resistant clothing and gloves.
<b>EYE/FACE PROTECTION</b>
Safety glasses with side shields. If eye contact or dusty conditions are likely, wear dust tight goggles.
<b>SECTION 8 – PHYSICAL/CHEMICAL PROPERTIES</b>
Physical State (Appearance): Cartridge with ESLI filled with activated carbon sorbent
Color: NA Molecular Weight: NA
Odor: None Odor Threshold: None
pH Value: NA Vapor Pressure: NA
Melting Point: NA Vapor Density: Solid
Freezing Point: NA Relative Density: NA
Initial Boiling Point: NA Solubility: Not Soluble
Flashpoint: NA Partition Coefficient: NA
Evaporation Rate: NA Auto Ignition Temperature: No data available
Flammability: NA Decomposition Temperature: NA
UEL: NA Viscosity: NA
<b>SECTION 9 – STABILITY AND REACTIVITY</b>
This material is considered to be non-reactive under normal use conditions.
<b>CONDITIONS TO AVOID</b>
Contact with strong oxidizers such as ozone, liquid oxygen, chlorine, permanganate, etc. may result in rapid combustion. Avoid contact with strong acids.

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<b>SECTION 10 – TOXICOLOGICAL INFIRMATION</b>		
<p><b>INHALATION:</b> Acute. Inhalation of carbon dust is mildly irritating to the lungs and can immediately give rise to an increased mucociliary transport and airway resistance mediated by the vagus. Inhalation LC50 (Rat) &gt; 64.4 mg / l</p> <p><b>CHRONIC:</b> There are no known chronic inhalation effects</p> <p><b>SKIN CONTACT:</b> No health effects are expected</p> <p><b>EYE CONTACT:</b> Eye contact can cause conjunctivitis, epithelial hyperplasia of the cornea, as well as eczematous inflammation of the eyelids</p> <p><b>INGESTION:</b> No health effects are expected</p> <p><b>Additional Information:</b> This product, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential</p>		
<b>SECTION 11 – ECOLOGICAL INFIRMATION</b>		
The material, in its original state, is not harmful to the environment.		
<b>SECTION 12 – DISPOSAL CONSIDERATIONS</b>		
Dispose of contents/container in accordance with the local/regional/national/international regulations.		
<b>SECTION 13 – TRANSPORT INFORMATION</b>		
DOT Shipping Description: see shipping papers		
<b>SECTION 14 – REGULATORY INFORMATION</b>		
LAND – DOT	UN/NA IDENTIFICATION NUMBER, UN-PROPER SHIPPING NAME, TRANSPORT HAZARD CLASS, PACKING GROUP, MARINE POLLUTANT, HAZARD CLASS,	Not Applicable to unused finished product
WATER – IMO/IMDG	UN/NA IDENTIFICATION NUMBER, UN-PROPER SHIPPING NAME, TRANSPORT HAZARD CLASS, PACKING GROUP, MARINE POLLUTANT.	Not Applicable to unused finished product
AIR – ICAO/IATA For product quantities less than 0.5 Kg	UN/NA IDENTIFICATION NUMBER, UN-PROPER SHIPPING NAME, TRANSPORT HAZARD CLASS, PACKING GROUP, MARINE POLLUTANT.	Not Applicable to unused finished product
<b>SECTION 15 – OTHER INFORMATION</b>		
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