



## Safety Data Sheet

**Product Names: Washed Activated Carbon Part #031003, A1000 Activated Carbon, A1100 Activated Carbon, 99A1000 Activated Carbon, 99A1100 Activated Carbon**

(Granular Activated Carbon)

Effective date 29 February 2016

### Section 1: Identification

- 1a Product Names  
 99A1000 Activated Carbon  
 99A1100 Activated Carbon  
 A1000 Activated Carbon  
 A1100 Activated Carbon  
 Part #031003 Washed Activated Carbon
- 1b Common Name  
 Granular Activated Carbon
- 1c Intended Use  
 Chlorine and organics removal from water.
- 1d Manufacturer Address  
 Separation Technologists, Inc.  
 7A Raymond Ave.  
 Suite A-7  
 Salem, NH 03079
- Phone  
 603-898-0020
- Email  
[service@separationtech.com](mailto:service@separationtech.com)

### Section 2: Hazard Identification

- 2a OSHA Hazard classification  
 Not hazardous or dangerous

Product Hazard Rating	Scale
Health = 0	0 = Negligible
Fire = 1	1 = Slight
Reactivity = 0	2 = Moderate
Special – N/A	3 = High
	4 = Extreme

- 2b Product description  
 Black irregular pieces with little or no odor.
- 2c Precautions for use  
 Safety glasses and gloves recommended. Wet carbon adsorbs oxygen from air and can cause a hazard in confined spaces. Avoid breathing dust when handling dry carbon. Dust mask or respirator recommended for poorly ventilated spaces.
- 2d Potential health effects  
 Will cause eye irritation. Ingestion is not likely to pose a health risk. Dust may be mildly irritating.
- 2e Environmental effects  
 Little or none.

**Warning (contains granular activated carbon)**

**H320: Causes eye irritation (Category 2B)**

**H335: May cause respiratory irritation (Category 3)\***

**\* chronic risk from breathing dust**

**Precautionary Statements:**

P261: Avoid breathing dust/fume/gas/mist/vapors/spray

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+351+358: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P333+313: If skin irritation or a rash occurs: Get medical advice/attention.

P337+313: If eye irritation persists: get medical advice/attention.

P403+233: Store in a well-ventilated place. Keep container tightly closed.

Please refer to the safety data sheet for additional information regarding this product.

Separation Technologists, Inc.  
7 Raymond Ave.  
Suite A-7  
Salem, NH 03079  
603-898-0020  
service@separationtech.com

**Section 3: Composition/Information on Ingredients**

3a	Chemical name	Granular Activated Carbon
3b	Ingredients	
	Granular Carbon	CAS# 7440-44-0 (80% - 98%)
	Water	CAS# 7732-18-5 (2 – 20%)

**Section 4: First Aid Measures**

4a	Inhalation	Dust may be mildly irritating to the upper respiratory tract.
4b	Skin	Wash with soap and water – seek medical attention if a rash develops.
4c	Eye contact	Wash immediately with water – seek attention if discomfort continues.
4d	Ingestion	No adverse effects expected for small amounts, larger amounts can cause stomach irritation. Seek medical attention if discomfort occurs.

**Section 5: Fire Fighting Measures**

5a	Flammability	NFPA Fire rating = 1
5b	Extinguishing media	Water, CO <sub>2</sub> , foam, dry powder
5c	Firefighting procedures	Follow general firefighting procedures indicated in the work place.
5d	Protective equipment	MSHA/NIOSH approved self-contained breathing gear, full protective clothing.
5e	Combustion products	Carbon oxides and other toxic gasses and vapors.
5f	Unusual hazards	Product is not combustible until moisture is removed. Carbon begins to burn at approximately 230°C (446°F). Auto ignition can occur above 500°C (932°F).

**Section 6: Accidental Release Measures**

- |    |                           |  |
|----|---------------------------|--|
| 6a | Personal precautions      | Wear gloves and safety glasses to minimize skin or eye contact.            |
| 6b | Incompatible chemicals    | Strong oxidants can create risk of combustion products similar to burning. |
| 6c | Environmental precautions | Keep out of public sewers and waterways.                                   |
| 6d | Containment materials     | Use plastic, paper or metal containers.                                    |
| 6e | Methods of clean-up       | Sweep up material and transfer to containers.                              |

**Section 7: Handling and Storage**

- |    |                     |  |
|----|---------------------|--|
| 7a | Handling            | Avoid prolonged skin contact.  |
| 7b | Storage             | Store in a dry place (0°C - 50°C, 32°F - 122°F) in the original shipping container. This product is not thermally sensitive. Freezing does not damage granular carbon. |
| 7c | TSCA considerations | Activated carbon should be listed on the TSCA Inventory in compliance with State and Federal regulations.  |

**Section 8: Exposure Controls/Personal Protection**

- |    |                              |   |
|----|------------------------------|---|
| 8a | OSHA exposure limits         | None noted.   |
| 8b | Engineering controls         | Provide adequate ventilation.   |
| 8c | Personal protection measures |   |
|    | Eye protection               | Safety glasses or goggles.  |
|    | Respiratory protection       | Dust mask or respirator recommended for poorly ventilated spaces.       |
|    | Protective gloves            | Not required for limited exposure but recommended for extended contact. |

**Section 9: Physical and Chemical Properties**

Appearance	Irregular black granular pieces.
Flammability or explosive limits	Flammable above 220°C (428°F)
Odor	None
Physical state	Solid
Vapor pressure	Not available
Odor threshold	Not available
Vapor density	Not available
pH	Near neutral (6 to 8 typical)
Relative density	Approximately 400 grams/Liter
Melting point/freezing point	Does not melt, or freeze.
Solubility	Insoluble in water and most solvents
Boiling point	Does not boil
Flash point	>220°C (428°F)
Evaporation rate	Does not evaporate
Partition coefficient (n-octanol/water)	Not applicable
Auto-ignition temperature	>220°C (428°F)
Decomposition temperature	Above 220°C (428°F)
Viscosity	Not applicable

**Section 10: Stability and Reactivity**

10a Stability	Stable under normal conditions
10b Conditions to avoid	Wet carbon adsorbs oxygen from air. Contact with strong oxidizing agents can cause rapid combustion.
10c Hazardous by-products	Carbon oxides, sulfur oxides, chlorinated hydrocarbons.
10d Incompatible materials	Strong oxidizing agents (such as HNO <sub>3</sub> ).
10e Hazardous polymerization	Does not occur.

**Section 11: Toxicological Information**

11a	Likely routes of exposure	Oral, skin or eye contact.
11b	Effects of exposure	
	Delayed	None known.
	Immediate (acute)	None known.
	Chronic	None known.
11c	Toxicity measures	
	Skin adsorption	Unlikely
	Ingestion	Oral toxicity believed to be low, but no LD50 has been established.
	Inhalation	Unknown, vapors are very unlikely due to physical properties (insoluble solid).
11d	Toxicity symptoms	
	Skin adsorption	Mild rash.
	Ingestion	Indigestion or general malaise.
	Inhalation	Dust is a respiratory irritant.
11e	Carcinogenicity	None known.

**Section 12: Ecological Information**

12a	Eco toxicity	Not harmful to plant or animal life.
12b	Mobility	Insoluble.
12c	Biodegradability	Not biodegradable.
12d	Bioaccumulation	Insignificant.
12e	Other adverse effects	Not harmful to the environment.

**Section 13: Disposal Considerations**

13a	General considerations	Material is non-hazardous
13b	Disposal containers	Most plastic and paper containers are suitable.
13c	Disposal methods	No specific method necessary.
13d	Sewage disposal	Not recommended.
13e	Precautions for incineration	May release toxic vapors when burned.
13f	Precautions for landfills	Carbon used to remove hazardous materials may then become a hazardous mixture.

**Section 14: Transportation Information**

14a	Transportation Class	Not classified as a dangerous good for transport by land, sea or air.
14b	TDG	Not regulated.
14c	IATA	Not regulated.
14d	DOT (49 CFR 172.101)	Not regulated.

**Section 15: Regulatory Information**

15a	CERCLA	Not regulated.
15b	SARA Title III	Not regulated.
15c	Clean Air Act	Not regulated.
15d	Clean Water Act	Not regulated.
15e	TSCA	Not regulated
15f	Canadian Regulations WHMIS TDG	Not a controlled product. Not regulated.
15g	Mexican Regulations	Not dangerous.

**Section 16: Other Information**

The information provided in this safety data sheet is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty or guarantee of accuracy, expressed or implied is given. Regulatory requirements are subject to change and may differ from one location to another. It is the buyer's responsibility to ensure that their activities comply with federal, state, and local laws.

16a	Date of revision	29 February 2016
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